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Avian Analysis of LCTA Core Plot Data: West Point Military Academy

by
Eric R. Schreiber and Alison Hill

The Land Condition Trend Analysis (LCTA) program is the Army's standard for land inventory and monitoring, using standard methods for natural resources data collection, analyses, and reporting designed to meet multiple goals and objectives. This report presents the results of a study done for West Point in conjunction with the Army Environmental Center's (AEC) Conservation Assistance Program (CAP).

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Foreword

This study was conducted for The U. S. Military Academy (USMA), West Point Environmental Office under the Conservation Assistance Program (CAP), tracking numbers 060497 and 0697-003. The technical monitor was Ms. Catherine Coleman, DHPW.

The work was performed by the Natural Resource Assessment and Management Division (LL-N) of the Land Management Laboratory (LL), U.S. Army Construction Engineering Research Laboratories (USACERL). The authors would like to acknowledge Ms. Catherine Coleman, USMA Integrated Training Area Management (ITAM) program manager, for providing raw data, maps, and reviewing drafts of the manuscript; Joe Deschenes, USMA Forester, Chief, Natural Resources Branch; Tom Miller, research specialist, who collected all the bird data on West Point from 1991 through 1997. The USACERL principal investigator was Dr. Alison Hill. Dr. William D. Severinghaus is the responsible Technical Director. The USACERL technical editor was Gloria J. Wienke, Technical Resources.

COL James A. Walter is Commander and Dr. Michael J. O'Connor is Director of USACERL.

This revised report, dated August 1998, supersedes the previous edition, which is no longer approved for public release.

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1 Introduction

Background

The U.S. Army is currently responsible for managing 5 million hectares (12.4 million acres) on approximately 120 military installations throughout the United States. More than 50 military installations and training areas in the United States and Germany have implemented the Land Condition Trend Analysis (LCTA) program (Tazik et al. 1992).

The U.S. Army Construction Engineering Research Laboratories (USACERL) developed LCTA as a means to inventory and monitor natural resources on military installations. The LCTA program uses standardized methods of nature resource data collection, analysis, and reporting designed to meet the need for natural resources management and land stewardship (Tazik et al. 1992).

The Environmental Office at West Point Military Academy began collecting LCTA bird survey data in 1991. West Point is unique in that one individual, Mr. Tom Miller, collected all 7 years (1991 through 1997) of the LCTA bird data. In June 1997, Ms. Catherine Coleman of the Environmental Office at West Point contacted Mr. Steve Getlein, the Conservation Assistance Program (CAP) program manager, at the Army Environmental Center, and submitted a CAP request for assistance with analyzing their LCTA bird data. West Point had interest in obtaining general trend information over time and knowing about the stability of the local bird population, with particular interest in songbirds and raptors.

Objective

The objective of this research was to produce summary tables of West Point's LCTA core plot bird data.

Approach

Once the project was assigned on 25 June 1997, the USACERL and West Point investigators held a conference call to discuss the work and come to an agreement on the desired final product: a report containing digital summary tables of the LCTA bird data. The following tasks were completed in response to West Point's CAP request:

(1) Verified and fixed all errors within the 1991 - 1997 bird data.
(2) Entered the revised bird data into Quest for analysis.
(3) Analyzed the 1991 - 1997 bird data for 34 LCTA core plots.
(4) Prepared a Draft report for West Point on the bird data.
(5) Provided West Point specific guild information on local species.
(6) Reran queries to accommodate changes in the New York Natural Heritage (NYNH) Communities map.
(7) Prepared a Final report for West Point.
(8) Sent West Point electronic files of the revised data and output and a hard copy of the final report.

Scope

This report summarizes West Point's bird data collected by using standard LCTA data collection techniques. It provides summaries of LCTA core plot data from 1991 through 1997.

Mode of Technology Transfer

West Point can use the compiled summary tables to support land management decisionmaking and to support the required documentation. This documentation includes, but is not limited to annual installation reports, the Integrated Natural Resource Management Plan (INRMP), and National Environmental Policy Act (NEPA) documents. All electronic files of the raw and compiled data will be transferred to West Point.

As an ongoing effort, the information in this report will be used to analyze and compare West Point bird data with the Breeding Bird Survey data. This work can be adapted to other installations and can serve as an example to other installations for analyzing, compiling, and reporting their own data.

2 Terminology

The variables used in the summary tables are defined below.

Ave FO birds — The average number of flyovers for each LCTA plot.

Ave site birds — The average number of birds recorded within the confines of the LCTA plot boundary.

Ave tot birds — The average number of birds recorded for each LCTA plot; includes both flyover and site species.

Distinct species — The term distinct species is synonymous with unique species. A total of 100 distinct onsite species (105 - 5 unknown species) and 17 flyover species were identified on West Point LCTA plots during 1991 through 1997.

FO birds — Flyovers are birds that were observed outside the designated LCTA plot boundary.

FO plots — The number of LCTA plots in which flyover species were recorded as occurring outside the plot boundary or flying overhead. Flyover species were typically not used in analyses since they were not specifically associated with a particular habitat type, but rather are transient.

Occurrence — Occurrence means record. A record refers to each time a species is recorded on an LCTA plot. For example, if a black-capped chickadee occurred on five LCTA plots it would be recorded as five occurrences. There was a total of 8,122 individual species occurrences, including flyovers, on West Point LCTA plots during 1991 through 1997.

Period — Time of day in which the survey was conducted.

AM - morning
PM - evening

Plotid — The plot identification number associated with each West Point LCTA wildlife plot. The 34 LCTA core bird plots were sampled annually during 1991 through 1997.

Site birds — The total number of birds identified within the LCTA plot boundary.

Site plots — The total number of LCTA plots on which species were recorded.

Total birds — The total number of birds recorded on West Point LCTA plots; includes both flyovers and site species.

Transect — Portion of the line transect in which species were recorded.

Line Out - Starting at the 0 m of the transect and walking to the 100 m end.
End Point - The end of the 100-m transect.
Line In - Walking from the end point back to the 0 m point.

Vertid — LCTA wildlife codes were established in 1991 by researchers from USACERL (Kowalski and Whitworth 1991) and based on the scientific names from the 1987 *Checklist of Vertebrates* (Banks, McDiarmid, and Gardner 1987). Each code consists of the first two letters of the genus and the first two letters of the specific epithet. If duplicate codes exist, ascending numbers, starting with 1, follow the four-letter code.

The following variables were used in the tables to describe guild information for the 100 distinct onsite West Point bird species.

Food type — The primary food eaten by West Point birds.

- Aquatic Inverts - Includes aquatic insects, crayfish, shrimp, snails, bivalves, etc.
- Birds - Includes birds and their eggs.
- Carrion - Dead and putrefying flesh.
- Fish - Includes fish, their fry, and eggs.
- Fruit - Includes fruit and berries.
- Greens - May include leafy parts of both aquatic and terrestrial plants, and bulbs.
- Insects - May include insects, spiders, mites, land snails, slugs, worms, millipedes, sowbugs, etc.
- Nectar - The sugar-containing liquid secretion of the nectary of many flowers.
- Seeds - Includes grains, sunflower seeds, conifer seeds, etc.

- Small Mammals - Any animal of the class Mammalia. Includes shrews, ground squirrels, rabbits, but most often rodents.

General Habitat — General habitat is a category that is often quite difficult to quantify. Many species frequent several habitat types and are not confined to just one. Therefore, habitat classifications within the database should be viewed cautiously.

- Coastal - An area of land near the shore (Pacific and Atlantic Coast).
- Forest - An extensive concentration of trees and related vegetation. Includes sparsely wooded areas, densely wooded areas, and pinon-juniper associations.
- Forest Edge - The transitional area where a forest ends and another distinct habitat begins.
- Freshwater - Includes areas such as lakes, ponds, rivers, and streams.
- Grassland - An area of land on which the natural dominant plant forms are grasses and forbs. Areas with scattered trees and/or snags are included in this community type.
- Riparian - An area located along the bank of a natural watercourse (as a river) or sometimes of a lake or tidewater.
- Shoreline - The strip of land where a body of water and the shore meet.
- Shrubland - An area of land on which the natural dominant plant forms are shrubs (a low, usually several-stemmed woody plant).
- Swamp/Marsh - A wet, spongy land, saturated and sometimes partially or intermittently covered with water. Also includes tracts of soft, wet land, typically characterized by grasses and cattails.

Mated status — The categories used to describe the mated status of West Point bird species.

- Female only
- Flock
- Non-singing male
- Not recorded
- Pair (adult male and female)
- Singing male
- Unknown sex
- Young of the year

Neo status — Neotropical migrant status of West Point species based on the following classification system (Partners in Flight 1991).

A "True" neotropical migrants; breed in North America and winter south of the United States.

B Generally breed and winter in North America, but some populations winter south of the United States.

R Resident species (i.e., non-neotropical migrant species).

Nest location — The location where West Point bird species nest.

- Bank - Includes river banks, areas of soft soil on steep island slopes, etc., where nest burrows are excavated.
- Cliff - Includes nests situated in natural crevices or on ledges of cliffs typically offering a commanding view of a defensible position, and sometimes chosen when no suitable trees are available.
- Ground - Includes nests placed among the roots, or in niches among the roots of fallen trees, among tules and reeds (in marshes), among grasses, on bare rock, or simply scraped in the dirt or sand.
- Man-made Structure - Includes nests placed among any man-made structure (bridge, barn, etc.).
- Reed - Nest built within and attached to reeds.
- Shrub - Includes nests placed within any multi-stemmed woody plant that does not have a distinct single trunk extending several feet between the ground and the lowest branching point.
- Snag - Includes nests placed in a standing dead tree. Also used for species that use cavities in dead and live trees more/less indiscriminately.
- Woody Lower Canopy - Includes nests placed in the lower canopy of deciduous or coniferous trees.
- Woody Upper Canopy - Includes nests placed in the upper canopy of deciduous or coniferous trees.

Nest type — The type of nest that is constructed by West Point bird species.

- Burrow - Eggs placed in a chamber at the end of a tunnel. Tunnels are either excavated by the bird (most kingfishers, puffins, storm petrels) or usurped from small mammals, especially ground squirrels and prairie dogs.
- Cavity - Eggs placed in a cavity that has been excavated (woodpeckers) or in a natural cavity found in a dead or dying tree. Sometimes a cup or other structure is built within.
- Cup - A sometimes bulky, but always deep depression, with a hemispherical inside and a rim height several times the diameter of the eggs.
- None - No nest is constructed. Eggs typically are layed on ground with nothing to protect them.
- Oven - Oven-shaped (roofed or arched) nest on the ground.
- Parasitic - No nest is constructed. Eggs are deposited in the nest of another species.
- Pendant - An elongate saclike nest suspended from a branch.

- Platform - A structure in a tree, on a cliff, or providing a dry place above marshy ground or water, usually big enough for the bird to land on, with or without a distinct depression to hold the eggs. Typical of many raptors and wetland birds.
- Saucer - A shallow cup with the height of the rim not more than twice the diameter of the eggs. Also a flattened nest of pliable vegetation as used by some wetland birds.
- Scrape - A simple depression usually with a rim sufficient to prevent eggs from rolling away. The scrape nest of many duck species are almost bowl-shaped. Occasionally with lining added.

Substrate — The location where West Point bird species feed.

- Air - Foraging done in the air. Includes foraging techniques such as: Aerial Foraging, Aerial Pursuit, Hawker, Hover & Pick, Hover Gleaner, and Piracy.
- Bark - Foraging done primarily on the bark of trees. Includes: Bark Gleaner.
- Foliage - Foraging done primarily on foliage. Includes: Foliage Browser and Foliage Gleaner.
- Ground - Foraging done primarily on the ground. Includes: Digging, Ground Gleaner, High Patrol, Hover & Pounce, Low Patrol, Piracy, Scavenger, and Swooper.
- Water - Foraging done primarily on or in the water. Includes: Ambusher, Dabbler, High Dives, Prober, Skimmer, Surface Dips, and Surface Dives.

Technique — The technique used by West Point bird species to obtain their food.

- Aerial Pursuit - Chasing or catching birds in midair, stooping (dropping on flying birds from above, killing them in midair with a blow from the talons), or snatching them from their perches.
- Ambusher - Hunting by standing motionless on a bank or in the water and spearing fish, frogs, etc.
- Bark Gleaner - Gleaning from tree trunks and branches. Includes excavating and drilling into bark.
- Dabbler - Floating on the surface in shallow water, pivoting headfirst downward while raising hind-quarters above the water to reach submerged plants or animals on or near the substrate.
- Foliage Browser - Browsing tender shoots, twigs, and leaves of trees and shrubs for food.
- Foliage Gleaner - Gleaning from foliage and occasionally from branches. Take invertebrates and/or fruit from the vegetation, not from the surface of the ground.

- Ground Gleaner - Picking up items from the surface of soil, turf, sand, etc.
- Hawker - Sallies from perch on short flights to capture flying insects.
- High Patrol - Soaring at high altitudes in search of carrion or prey.
- Hover Gleaner - Taking nectar, insects, or berries from plants above the ground while hovering.
- Low Patrol - Seeking prey in a low searching flight.
- Scavenger - Feeding on carrion, refuse, or material left unconsumed by other organisms.
- Surface Dives - Floating and then diving under water using feet and/or wings in search of prey.
- Swooper - Snatching prey from the ground in talons after a gliding descent from perch with wings spread.

3 Methodologies

The bird data used in this analysis was collected from West Point LCTA core plots during the 1991 through 1997 field seasons by Mr. Tom Miller, research specialist. Survey methodologies followed standard LCTA protocols (Tazik et al. 1992).

Bird Survey Methodologies

Bird inventories are conducted on a subsample of all LCTA core plots, usually about 60, by using a modified point-count technique. Each plot is surveyed once in the morning and once in the evening by slowly walking the 100 m transect in 6 minutes and recording all birds seen and heard within 100 m of the plot (Line Out). Upon reaching the end of the transect, the observer stops and records all birds seen and heard for 8 minutes within 100 m of that spot (End Point). The observer then walks another 6 minutes back to the starting point, again recording all birds seen and heard within 100 m of the plot (Line In). Species observed outside the plot limits and flyover species are also recorded on the standard LCTA Bird Survey Data Form.

Surveys are typically conducted on relatively calm, rainless days, within a 2- to 4-week period that corresponds to the breeding season. Morning surveys are conducted between ½ hour before and 4 hours after sunrise; evening surveys are conducted 4 hours before sunset. All birds observed, with common name, LCTA species code, and total number for each species are recorded within each segment of the survey, along with corresponding codes for mated status.

Data Entry

The 1991 through 1997 bird data was entered into SQLBase format from standard LCTA paper data forms.

Error Checking

The paper and electronic data files were checked for a number of common errors, which were corrected in the database. LCTA species codes were developed for all wildlife species, and should be used when collecting any LCTA-related data. However, errors may still arise. The various types of errors that may be encountered include: (1) entering an invalid species code (i.e., the species code does not correspond to a valid species, MYMU vs. HYMU), (2) entering the wrong species code for a particular species (i.e., the species code pertains to an entirely different species, VIOL vs. PIOL), (3) omitting the numerical value at the end of certain species codes (e.g., COVI vs. COVI1), (4) entering an incorrect numerical value for certain species codes (e.g., SPPA1 vs. SPPA2).

Some errors can be fixed easily (e.g., correcting for invalid species codes); however, other errors involve cross-referencing back to the original data sheets and checking the species code against the common name. The species code must not only be correct, but legible, because the person entering the data into the database typically relies solely on the species code. Only when error-checking procedures are done, will the individual cross-reference the code to the common name, and correct for these inconsistencies. These errors must be corrected before doing any analyses, otherwise the results may be flawed.

4 West Point Summary Data

Annotated LCTA Bird Species Checklist

Appendix A/Table A lists, by common name, the 100 distinct bird species recorded on West Point LCTA core plots during 1991 through 1997. The table includes the scientific name, LCTA code, and the total number of individuals recorded for each year. The Wood Thrush was the most frequently observed species recorded on West Point, with 515 occurrences (7.0%), followed by the Red-eyed Vireo with (6.6%), Scarlet Tanager (6.1%), Ovenbird (5.1%), and Blue Jay (4.9%). Seventeen distinct bird species were also recorded as flyovers, or those occurring outside the plot boundary.

LCTA Plots Associated With Each Bird Species

Appendix B/Table B lists all LCTA plots in which a particular species was recorded, and the total number of individuals found on each of those plots during 1991 through 1997. Several species were identified on all core plots. These species include: Norther Flicker, Great-crested Flycatcher, Blue Jay, Eastern Wood Pewee, Scarlet Tanager, Wood Thrush, Red-eyed Vireo, and the Black-and-white Warbler. Additional species occurring on 33 of the 34 LCTA plots include the Northern Oriole, Ovenbird, and the Cedar Waxwing.

Bird Species Associated With Each LCTA Plot

Appendix C/Table C lists all avian species recorded for each of the 34 LCTA wildlife plots, and the total number of individuals for each species within that plot during 1991 through 1997. The number of species recorded on individual plots ranged between 27 species (plot 24) and 44 species (plots 9 and 10), with the mean being 34.9 species per plot.

Guild Associations

Appendix D/Table D contains generic guild information for the 100 West Point bird species identified on LCTA core plots, with common name, scientific name, LCTA code, neotropical migrant status, nest location, nest type, food type, food substrate, feeding technique, and general habitat. This information was derived from a comprehensive list containing guild data for all bird species found within the United States (Schreiber and Whitworth, 1998).

Installation Information

Table E1 in Appendix E lists the general information for West Point bird data during 1991 through 1997. All (100%) of the LCTA core plots had species recorded within the plot boundary. However, in 1993, 3 Raptor species, 2 Woodpecker species, and 1 Wren species were recorded, but not identified to the species level. In 1994, 1 Raptor species and 1 Flycatcher species were recorded, but not identified to the species level. Also, in 1995, 1 Paridae species was recorded but not identified to the species level. These unknown individuals will slightly overestimate the number of site species recorded during 1993 through 1995, but were included to keep the number of total birds and site birds as accurate as possible. Therefore, the number of site species recorded in Table E1 (105 species) actually represents 100 distinct site species (as referenced in Table D).

Table E2 is a similar division of the information presented in Table E1, except it presents the information by year. A total of 100 distinct species (7,398 occurrences) were recorded from 1991 through 1997. This includes: 64 species (1,558 occurrences) in 1991, 61 species (1,221 occurrences) in 1992, 66 species (69 - 3 unknowns, 864 occurrences) in 1993, 60 species (62 - 2 unknowns, 929 occurrences) in 1994, 65 species (66 - 1 unknown, 967 occurrences) in 1995, 63 species (880 occurrences) in 1996, and 71 species (979 occurrences) in 1997.

Table E3 displays the installation information by year and period (i.e., time of day). The importance of dividing the information by period is to gain insight on which sampling time is best. Plot 3 is excluded from this analysis because it had two different morning times and no evening times. Sampling in the morning clearly provides a much higher yield when looking at the average number of both total and site birds, within all years. However, generally speaking, time of day did not seem overly important when identifying flyover species.

Table E4 lists the installation information by transect. The data indicate that the three transect segments (Line Out, End Point, and Line In) have no effect on the number of site species being identified. However, Line Out is picking up far more species observations than the other two segments.

Table E5 lists the installation information by mated status for 1992 through 1997. The data collected from 1991 was excluded from analyses since the mated status was not recorded. The singing male was the most frequently recorded category.

Installation Information by Vegetation Type

Vegetation types (Appendix F, Table F1) were derived from the NYNH Communities map and the LCTA Plot Location map created by West Point personnel.

West Point's 34 LCTA core plots represent 11 vegetative categories. These categories include: Appalachian Oak-Hickory (14 plots), Appalachian Oak-Pine Forest (1 plot), Burn Barren (2 plots), Burn Barren & Appalachian Oak-Hickory (50/50) (1 plot), Chestnut Oak Forest (7 plots), Hemlock-Northern Hardwood Forest (1 plot), Maple Beech Mesic (2 plots), Oak-Tulip Tree Forest (2 plots), Rich Rocky Woodlands (2 plots), Rocky Summit Grassland (1 plot), and Successional Hardwoods (1 plot) (Table F2). Most vegetative categories had very small sample sizes; subsequent analyses should be viewed with caution.

Table F3 lists the vegetation types for each year, with the total number of birds observed within each category.

Table F4 divides the vegetation types for each year, by period, with the total number of birds associated with each. As mentioned earlier, Plot 3 was excluded from this particular analysis since two morning counts and no evening counts were recorded. With few exceptions, more birds were recorded in morning site bird counts than evening site bird counts.

Table F5 divides the vegetation types by transect, with the total number of birds associated with each. With few exceptions, more bird observations were recorded during the Line Out than during the End Point or Line In.

Table F6 lists the vegetation types by mated status for each year, with the total number of birds associated with each. Singing males were recorded more frequently than any other mated status, except in 1991, when the mated status was not recorded.

Table F7 separates the West Point vegetation types by species recorded within each category. The number of species identified within each vegetative category is provided below. Small sample sizes should be viewed with caution.

Burn Barren - 48 species (2 plots)
Burn Barren/Oak-Hickory - 50 species (1 plot)
Chestnut Oak - 73 species (7 plots)
Hemlock-Northern Hardwood - 42 species (1 plot)
Maple Beech Mesic - 51 species (2 species)
Oak-Hickory - 88 species (14 plots)
Oak-Pine - 36 species (1 plot)
Oak-Tulip Tree - 53 species (2 plots)
Rich Rocky Woodlands - 51 species (2 plots)
Rocky Summit Grassland - 40 species (1 plot)
Successional Hardwoods - 46 species (1 plot)

Guild Summaries

Information pertaining to the guild summary tables in Appendix G is based on a report by Schreiber and Whitworth (1998) that documents an LCTA database update that provides selected ecological attributes for 676 bird species occurring within the continental United States.

Table G1 lists West Point bird species by neotropical status: Class A, Class B, and Resident species. Approximately 73% of the birds identified on West Point core plots were identified as neotropical migrants (Class A and Class B). The breakdown of neotropical migrants and occurrences, by year, are listed below.

Year	% of migrant species	% of migrant species occurrences
1991	71.9	84.4
1992	68.9	79.4
1993	69.7	76.5
1994	66.7	81.4
1995	73.8	79.9
1996	73.0	77.5
1997	74.6	81.5

Table G2 divides West Point's bird species into areas in which nesting occurs. Eight nesting locations were identified. Woody Upper Canopy nesters were the most common (37.2%), followed by Ground nesters (21.9%), and Woody Lower Canopy nesters (20.0%).

Table G3 divides the bird species into the type of nest that is constructed. Ten nest types were identified. According to the data, the majority of West Point birds make a cup-type nest (63.7%), followed next by cavity nesters (16.9%).

Table G4 lists the bird species by the types of foods used. Eight food types were identified. According to the data, nearly 93.0% of the birds identified on West Point feed on insects, followed by fruit eaters (2.5%).

Table G5 lists the bird species by feeding substrate categories. Five distinct feeding substrates were identified from West Point birds. According to the data, most West Point bird species forage on the ground (45.6%), in the air (24.8%), and on foliage (19.8%).

Table G6 divides the bird species into foraging technique categories. Sixteen foraging techniques have been identified from the birds occurring on West Point. According to the data, the majority of birds were ground gleaners (42.9%), foliage gleaners (19.4%), and bark gleaners (9.1%).

Table G7 lists the species by habitat types. Eight distinct habitat types have been identified from the birds occurring on West Point. According to the data, the majority of birds preferred forested areas (74.2%), followed nest by forest edge (15.2%), and shrubland areas (4.4%).

Guild Information by Vegetation Type

Table H1 lists the vegetation types for West Point bird species by neotropical migrant status. The overall percentage of neotropical migrants (Class A and Class B) within each vegetation category are listed below.

Burn Barren - 84.8%
Burn Barren/Oak-Hickory - 83.0%
Chestnut Oak - 80.5%
Hemlock-Northern Hardwood- 84.8%
Maple Beech Mesic - 81.1%
Oak-Hickory - 80.0%
Oak-Pine - 58.1%

Oak-Tulip Tree - 82.8%
Rich Rocky Woodlands - 85.3%
Rocky Summit Grassland - 83.1%
Successional Hardwoods- 74.8%

Table H2 lists the West Point bird species by nest location, with the total number of individuals within each vegetation type, by year.

Table H3 summarizes the information presented in Table H2. Looking at the number of individuals within each vegetation category, most birds on West Point nest in Woody Upper Canopy (37.2%), followed by Ground nesters (21.9%), Woody Lower Canopy nesters (20.0%), and Shrub nesters (11.8%).

Table H4 lists the West Point bird species by nest type, with the total number of individuals within each vegetation type, by year.

Table H5 summarizes the information presented in H4. More than 63% of the birds on West Point make cup nests, cavity nests (16.9%), or saucer-type nests (6.6%).

Table H6 divides the West Point bird species by food type, with the total number of individuals within each vegetation category, by year.

Table H7 summarizes the information presented in H6. According to the data, approximately 84% of West Point birds feed on insects.

Table H8 lists the West Point bird species by feeding substrate, with the total number of individuals within each vegetation category, by year.

Table H9 summarizes the information presented in H8. Nearly 46% of West Point birds forage on the ground, in the air (24.8%), or on foliage (19.8%).

Table H10 divides the West Point bird species by foraging technique, with the total number of individuals within each vegetation category, by year.

Table H11 summarizes the information presented in Table H10. Approximately 43% of West Point birds are ground gleaners, foliage gleaners (19.4%), or hover gleaners (14.8%).

Table H12 lists the West Point bird species by habitat type, with the total number of individuals within each vegetation category, by year.

Table H13 summarizes the information presented in Table H12. Approximately 74% of West Point birds rely on forested areas, forest edge (15.2%), or shrublands (4.4%).

5 Conclusions

A total of 100 avian species (7,398 occurrences) were identified on 34 LCTA core plots at the U.S. Military Academy during the summers of 1991 through 1997. The total number of species and occurrences, by year, are as follows: 64 species (1,558 occurrences) in 1991, 61 species (1,221 occurrences) in 1992, 69 species (864 occurrences) in 1993, 62 species (929 occurrences) in 1994, 66 species (967 occurrences) in 1995, 63 species (880 occurrences) in 1996, and 71 species (979 occurrences) in 1997. An additional 17 distinct species were also identified as flyovers, or those occurring outside the plot boundary.

Regarding overall species occurrence, the Wood Thrush was the most frequently observed species recorded on West Point, with 515 occurrences (7.0%), followed by the Red-eyed Vireo (6.6%), Scarlet Tanager (6.1%), Ovenbird (5.1%), and Blue Jay (4.9%).

The number of species recorded on individual plots ranged between 27 species (Plot 24) and 44 species (Plots 9 and 10), with the average being 34.9 species per plot, for all years combined. Species identified on every LCTA core plot include: Norther Flicker, Great-crested Flycatcher, Blue Jay, Eastern Wood Pewee, Scarlet Tanager, Wood Thrush, Red-eyed Vireo, and the Black-and-white Warbler. Species documented from 33 of the 34 LCTA core plots include the Ovenbird, Northern Oriole, and Cedar Waxwing.

Eleven vegetative categories were recognized from LCTA core plots on West Point. These include: Appalachian Oak-Hickory, Appalachian Oak-Pine Forest, Burn Barren, Burn Barren/Appalachian Oak-Hickory, Chestnut Oak Forest, Hemlock-Northern Hardwood Forest, Maple Beech Mesic, Oak-Tulip Tree Forest, Rich Rocky Woodlands, Rocky Summit Grassland, and Successional Hardwoods.

Approximately 73% of the species identified from West Point core plots are categorized as neotropical migrants (Class A and Class B), while 27% are considered Resident species. The percentage of neotropical migrants per year ranged between 66.7% in 1994 to 74.6% in 1997.

Guild summaries by nesting location, nest type, food type, foraging substrate, foraging technique, and habitat type for bird species occurring within the 34 LCTA core plots are as follows. Of the eight nesting locations, most species nested in the Woody Upper Canopy (37.2%), on the Ground (21.9%), or in the Woody Lower Canopy (20.0%). Of the ten nest types, most species made a cup-type nest (63.7%) or a cavity nest (16.9%). Of the eight food types used, most species fed on insects (93%) or fruit (2.5%). Of the five feeding substrates, most species fed on the ground (45.6%), in the air (24.8%), or on foliage (19.8%). Of the sixteen foraging techniques, most species were ground gleaners (42.9%), foliage gleaners (19.4%), or bark gleaners (9.1%). Of the eight habitat types, most species preferred forested areas (74.2%), forest edge (15.2%), or shrubland areas (4.4%).

References

Banks, R.C., R.W. McDiarmid, and A.L. Gardner, *Checklist of Vertebrates of the United States, the U.S. Territories, and Canada*, Resource Publication 166 (U.S. Fish and Wildlife Service, 1987).

Kowalski, D.G., and W.R. Whitworth, LCTA species code database developed by the U.S. Army Construction Engineering Research Laboratories (1991).

Partners in Flight. 1991. Annual Report (Information and Education Working Group and the National Fish and Wildlife Foundation, Washington, DC), vol. 2, no. 1 (1991).

Schreiber, E.R., and W.R. Whitworth, *Land Condition Trend Analysis Bird Database: Ecological Guild-based Summaries*, Technical Report 98/100 (USACERL, August 1998).

Tazik, D.J., S.D. Warren, V.E. Diersing, R.B. Shaw, R.J. Brozka, C.F. Bagley, and W.R. Whitworth, *U.S. Army Land Condition-Trend Analysis (LCTA) Plot Inventory Field Methods*, Technical Report N-92/03/ADA247931 (USACERL, February 1992).

Appendix A: West Point Bird Species Checklist

Table A. Annotated LCTA bird species checklist for West Point with total number of birds per year.

Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
Bittern, American	*Botaurus lentiginosus*	BOLE	0	0	1	0	0	0	0
Blackbird, Red-winged	*Agalaius phoeniceus*	AGPH	18	0	7	15	9	16	12
Bluebird, Eastern	*Sialia sialis*	SISI	1	3	6	6	5	5	4
Bunting, Indigo	*Passerina cyanea*	PACY	7	4	11	7	4	1	3
Cardinal, Northern	*Cardinalis cardinalis*	CACA4	6	6	3	4	7	2	3
Catbird, Gray	*Dumetella carolinensis*	DUCA	22	6	7	6	10	10	7
Chickadee, Black-capped	*Parus atricapillus*	PAAT	20	21	18	4	22	7	7
Cowbird, Brown-headed	*Molothrus ater*	MOAT	11	11	6	8	17	13	24
Creeper, Brown	*Carthia americana*	CEAM	4	0	1	0	0	0	0
Crow, American	*Corvus brachyrhynchos*	COBR1	10	18	19	28	24	23	17
Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	1	0	4	3	1	2
Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	0	0	1	0	4	0	0
Dove, Mourning	*Zenaida macroura*	ZEMA	2	2	4	6	4	3	9
Duck, American Black	*Anas rubripes*	ANRU	0	0	0	1	0	0	0
Duck, Wood	*Aix sponsa*	AISP	28	2	1	2	1	1	0
Finch, House	*Carpodacus mexicanus*	CAME2	1	3	0	1	0	0	0
Flicker, Northern	*Colaptes auratus*	COAU	52	47	43	37	34	29	14
Flycatcher, Acadian	*Empidonax virescens*	EMVI	0	0	0	0	0	0	2
Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	47	51	32	36	40	36	50
Flycatcher, Olive-sided	*Contopus borealis*	COBO	0	0	1	0	0	0	0
Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	6	2	5	5	4	0
Goldfinch, American	*Cardualis tristis*	CATR	5	7	3	14	5	5	4
Goose, Canada	*Branta canadensis*	BRCA1	2	0	0	6	0	0	7
Grackle, Common	*Guiscalus guisculs*	QUQU	1	0	2	3	5	13	9
Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	54	45	29	26	24	15	20
Grouse, Ruffed	*Bonasa umbellus*	BOUM	4	7	0	3	1	1	1
Hawk, Broad-winged	*Bueto platypterus*	BUPL	0	1	0	0	0	0	0
Hawk, Cooper's	*Accipiter cooperii*	ACCO	0	0	0	0	0	2	0
Hawk, Red-shouldered	*Buteo lineatus*	BULI	0	0	1	0	0	2	0
Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	2	2	2	1	4	11	6
Hawk, Sharp-shinned	*Accipiter striatus*	ACST	0	0	0	0	0	1	0
Heron, Green-backed	*Butorides striatus*	BUST	0	1	0	0	0	0	0
Jay, Blue	*Cyanocitta cristata*	CYCR	61	74	63	38	32	68	42
Junco, Dark-eyed	*Junco hyemalis*	JUHY	13	0	4	0	0	0	0
Kestrel, American	*Falco sparvarius*	FASP	0	0	1	0	0	0	0
Killdeer	*Charadrius vociferus*	CHVO	3	0	0	0	0	0	1
Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	1	0	3	3	3	0	0
Mallard	*Anas platyrhynchos*	ANPL	0	1	0	0	0	0	0
Mockingbird, Northern	*Mimus polyglottos*	MIPO	4	0	0	0	0	0	0
Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	21	14	14	13	14	11	18
Oriole, Northern	*Icterus galbula*	ICGA	42	58	29	39	35	46	40
Ovenbird	*Seiurus aurocapillus*	SEAU	110	75	41	43	51	41	52
Owl, Barred	*Strix varia*	STVA	1	8	3	4	3	6	1
Owl, Eastern Screech	*Otus asio*	OTAS	0	0	1	0	0	0	0
Owl, Long-eared	*Asio otus*	ASOT	0	0	0	0	0	0	1
Parula, Northern	*Parula americana*	PAAM	0	5	0	0	0	0	0
Pewee, Eastern Wood	*Contopus virens*	COVI1	79	31	36	39	47	36	52
Phoebe, Eastern	*Sayornis phoebe*	SAPH	28	15	5	4	7	3	3
Redstart, American	*Setophaga ruticilla*	SERU1	43	23	7	21	16	17	25
Robin, American	*Turdus migratorius*	TUMI	77	63	38	47	42	47	47

Species Checklist

Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
Sparrow, Chipping	*Spizella passerina*	SPPA2	25	24	9	15	19	17	20
Sparrow, Field	*Spizella pusilla*	SPPU1	21	16	10	11	15	8	11
Sparrow, Song	*Melospiza melodia*	MEME	3	0	4	0	2	3	2
Sparrow, Swamp	*Melospiza georgiana*	MEGE	0	0	1	0	0	0	0
Sparrow, White-throated	*Zonotrichia albicollis*	ZOAL	0	1	0	0	0	0	0
Swallow, Barn	*Hirundo rustica*	HIRU	0	0	0	0	0	0	1
Swallow, Northern Rough-winged	*Stelgidopteryx serripennis*	STSE	0	0	0	0	0	0	1
Swallow, Tree	*Tachycineta bicolor*	TABI	1	0	0	0	0	0	1
Swift, Chimney	*Chaetura pelagica*	CHPE	2	0	0	0	1	0	4
Tanager, Scarlet	*Piranga olivacea*	PIOL	69	87	51	64	57	67	54
Thrasher, Brown	*Toxostoma rufum*	TORU	0	0	1	0	0	0	0
Thrush, Gray-cheeked	*Catharus minimus*	CAMI2	0	0	0	0	0	1	1
Thrush, Hermit	*Catharus guttatus*	CAGU	23	24	7	4	17	9	7
Thrush, Swainson's	*Catharus ustulatus*	CAUS	0	0	0	0	2	4	0
Thrush, Wood	*Hylocichla mustelina*	HYMU	137	91	66	67	63	34	57
Titmouse, Tufted	*Parus bicolor*	PABI	23	38	16	12	26	20	12
Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	72	55	28	33	45	35	40
Turkey, Wild	*Meleagris gallopavo*	MEGA	6	4	4	7	8	6	22
Veery	*Catharus fuscescens*	CAFU2	28	21	15	14	23	13	19
Vireo, Red-eyed	*Vireo olivaceus*	VIOL	103	79	56	66	52	56	78
Vireo, Solitary	*Vireo solitarius*	VISO	4	0	2	2	3	2	2
Vireo, Warbling	*Vireo gilvus*	VIGI	3	0	0	0	1	0	1
Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	11	2	4	8	12	11	7
Warbler, Black-and-white	*Mniotilta varia*	MNVA	87	54	22	36	43	33	39
Warbler, Black-throated Blue	*Dendroica caerulescens*	DECA1	0	0	0	0	3	0	0
Warbler, Black-throated Green	*Dendroica virens*	DEVI	0	1	0	0	1	0	2
Warbler, Blackburnian	*Dendroica fusca*	DEFU	0	0	0	0	0	0	2
Warbler, Blackpoll	*Dendroica striata*	DEST	2	3	0	1	0	0	3
Warbler, Blue-winged	*Vermivora pinus*	VEPI	6	6	2	1	1	1	3
Warbler, Canada	*Wilsonia canadensis*	WICA	0	0	0	0	0	1	0
Warbler, Cerulean	*Dendroica cerulea*	DECE	1	3	5	4	2	1	2
Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	0	2	0	0	3	1	1
Warbler, Golden-winged	*Vermivora chrysoptera*	VECH	0	0	0	0	1	0	0
Warbler, Hooded	*Wilsonia citrina*	WICI	0	0	0	2	2	2	2
Warbler, Pine	*Dendroica pinus*	DEPI	0	2	1	0	3	0	0
Warbler, Prairie	*Dendroica discolor*	DEDI	15	15	13	9	14	16	16
Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	9	13	8	7	8	10	14
Warbler, Yellow	*Dendroica petechia*	DEPE1	6	3	2	0	5	2	6
Warbler, Yellow-rumped	*Dendroica coronata*	DECO	0	0	0	0	0	0	1
Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	4	8	8	6	7	3	7
Waterthrush, Northern	*Seiurus noveboracensis*	SENO	0	5	0	0	0	0	1
Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	71	7	28	36	11	12	17
Woodpecker, Downy	*Picoides pubescens*	PIPU	10	8	2	6	7	5	4
Woodpecker, Hairy	*Picoides villosus*	PIVI	5	10	17	11	15	8	10
Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	5	7	6	2	3	2	4
Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	18	12	18	15	8	16	9
Wren, Carolina	*Thryothorus ludovicianus*	THLU	0	0	0	0	0	0	1
Wren, House	*Troglodytes aedon*	TRAE	1	0	3	1	0	0	0
Wren, Winter	*Troglodytes troglodytes*	TRTR	0	0	2	1	0	1	3
Yellowthroat, Common	*Geothlypis trichas*	GETR	7	9	2	12	5	4	9
			1558	1221	858	927	966	880	979

Appendix B: Plot Numbers for Each West Point Bird Species

Table B. LCTA plot numbers associated with each West Point bird species.

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
Bittern, American	*Botaurus lentiginosus*	BOLE	9	0	0	1	0	0	0	0
Blackbird, Red-winged	*Agalaius phoeniceus*	AGPH	3	0	0	0	0	0	2	1
			9	18	0	7	15	9	13	11
			11	0	0	0	0	0	1	0
Bluebird, Eastern	*Sialia sialis*	SISI	2	0	0	4	4	0	1	2
			3	0	0	0	1	0	0	0
			6	0	1	0	0	0	0	0
			12	0	1	0	0	0	0	0
			14	0	0	0	0	0	1	0
			15	1	0	2	0	1	1	2
			17	0	0	0	1	0	0	0
			22	0	0	0	0	0	1	0
			25	0	0	0	0	1	1	0
			28	0	1	0	0	1	0	0
			29	0	0	0	0	2	0	0
Bunting, Indigo	*Passerina cyanea*	PACY	2	0	0	2	0	0	0	0
			7	0	0	0	2	0	1	1
			10	0	0	0	1	0	0	0
			12	1	0	2	0	0	0	0
			14	0	2	2	1	1	0	0
			15	1	1	3	1	0	0	0
			18	0	0	0	0	2	0	0
			25	4	0	1	1	1	0	1
			29	1	1	1	1	0	0	1
Cardinal, Northern	*Cardinalis cardinalis*	CACA4	3	0	1	0	0	0	0	0
			6	0	2	0	0	0	0	0
			8	0	1	0	0	0	0	0
			9	0	0	0	0	1	0	0
			10	3	0	0	0	0	0	0
			11	2	1	3	4	5	2	1
			14	1	0	0	0	0	0	0
			28	0	0	0	0	1	0	0
			31	0	1	0	0	0	0	0
			35	0	0	0	0	0	0	2
Catbird, Gray	*Dumetella carolinensis*	DUCA	4	0	0	1	1	0	0	0
			6	4	0	0	1	1	3	0
			8	3	0	0	0	1	0	0
			9	0	1	0	0	2	0	0
			10	0	0	1	2	0	0	1
			11	14	3	2	2	3	6	3
			14	1	0	0	0	0	0	0
			18	0	0	2	0	0	0	2
			25	0	0	1	0	0	0	0
			28	0	1	0	0	1	1	1
			29	0	1	0	0	0	0	0
			31	0	0	0	0	1	0	0
			35	0	0	0	0	1	0	0
Chickadee, Black-capped	*Parus atricapillus*	PAAT	2	0	0	0	0	1	0	0
			3	0	0	0	0	1	0	0
			4	0	1	0	0	0	0	0

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			6	4	2	3	2	5	2	0
			7	4	0	1	0	0	0	0
			8	0	0	0	0	3	2	1
			9	5	4	0	0	1	0	0
			10	1	2	0	1	2	1	0
			11	0	1	3	0	3	0	2
			12	0	0	0	0	1	0	0
			13	0	0	1	0	0	0	0
			14	0	3	0	0	0	0	0
			15	0	0	0	0	1	0	0
			16	0	0	0	0	0	0	2
			17	0	1	0	0	0	0	0
			18	0	1	0	0	0	1	0
			20	0	0	1	0	0	0	0
			21	1	0	3	0	1	0	1
			22	0	1	0	0	0	0	0
			24	0	0	0	0	0	0	1
			26	1	0	0	0	0	0	0
			27	1	0	2	0	0	0	0
			28	0	0	1	0	2	0	0
			29	0	0	0	0	1	0	0
			31	0	1	0	1	0	0	0
			33	0	0	1	0	0	0	0
			34	3	2	0	0	0	0	0
			35	0	2	2	0	0	1	0
Cowbird, Brown-headed	*Molothrus ater*	MOAT	2	0	0	0	0	0	1	0
			3	0	0	0	0	0	0	1
			4	0	0	0	1	0	1	0
			5	0	0	0	0	1	0	2
			6	1	1	1	0	0	0	0
			7	0	0	0	0	0	1	0
			8	1	0	2	0	0	1	1
			9	0	0	0	0	0	0	3
			10	1	1	0	0	1	1	2
			11	0	0	0	0	0	1	0
			12	0	0	0	0	0	0	1
			13	1	1	0	0	0	0	1
			15	2	0	0	0	0	0	0
			17	1	0	0	0	1	0	0
			18	0	0	0	2	0	0	1
			19	0	5	0	0	0	0	0
			20	0	0	0	0	3	1	2
			21	0	1	0	0	1	0	1
			22	0	0	0	1	0	0	0
			23	0	0	0	0	0	1	0
			24	0	0	0	0	1	0	0
			25	0	0	0	0	1	0	0
			26	2	0	0	1	2	0	0
			28	0	0	0	0	0	1	0
			29	1	0	1	0	1	1	2
			30	0	2	0	1	4	1	3

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			31	1	0	0	0	0	1	1
			33	0	0	1	1	1	1	2
			34	0	0	0	0	0	0	1
			35	0	0	1	1	0	0	0
Creeper, Brown	*Carthia americana*	CEAM	21	3	0	0	0	0	0	0
			26	1	0	0	0	0	0	0
			28	0	0	1	0	0	0	0
Crow, American	*Corvus brachyrhynchos*	COBR1	2	0	0	0	0	0	2	0
			3	1	0	3	0	1	4	0
			4	0	0	0	1	0	0	0
			5	0	3	0	1	1	0	0
			6	1	3	2	2	3	2	2
			7	0	0	1	0	0	0	0
			8	1	0	0	0	4	2	3
			10	0	0	0	0	0	1	1
			11	1	4	0	5	1	3	2
			12	0	0	0	2	0	0	0
			13	0	0	0	1	1	0	1
			14	0	2	0	1	0	0	0
			15	1	0	0	0	0	0	0
			16	0	2	2	1	0	0	2
			17	0	0	0	0	1	0	0
			20	0	0	3	0	1	0	1
			21	0	0	0	0	1	0	0
			22	0	0	0	1	1	2	2
			29	0	0	0	2	0	1	NR
			32	0	0	1	1	2	0	0
			33	2	1	0	2	3	1	2
			35	3	3	7	8	4	5	1
Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	2	0	1	0	0	0	0	0
			3	0	0	0	0	1	0	0
			5	0	0	0	0	1	0	0
			10	0	0	0	0	1	0	0
			17	0	0	0	1	0	0	0
			19	0	0	0	0	0	0	1
			25	0	0	0	2	0	0	0
			26	0	0	0	1	0	0	0
			27	0	0	0	0	0	1	0
			30	0	0	0	0	0	0	1
Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	15	0	0	1	0	0	0	0
			19	0	0	0	0	1	0	0
			28	0	0	0	0	1	0	0
			30	0	0	0	0	1	0	0
			31	0	0	0	0	1	0	0
Dove, Mourning	*Zenaida macroura*	ZEMA	2	2	0	0	0	0	1	2
			4	0	0	0	0	0	0	1
			5	0	0	0	1	0	0	1
			6	0	0	0	0	0	0	2
			10	0	0	2	0	1	1	1
			15	0	1	0	2	0	0	0
			18	0	0	0	0	1	0	0

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			24	0	1	0	0	0	0	0
			25	0	0	1	2	0	0	0
			27	0	0	0	0	0	0	1
			31	0	0	0	0	1	0	0
			34	0	0	0	0	1	1	0
			35	0	0	1	1	0	0	1
Duck, American Black	*Anas rubripes*	ANRU	9	0	0	0	1	0	0	0
Duck, Wood	*Aix sponsa*	AISP	8	0	0	0	1	0	0	0
			9	28	2	1	1	1	1	0
Finch, House	*Carpodacus mexicanus*	CAME2	6	0	0	0	1	0	0	0
			11	1	3	0	0	0	0	0
Flicker, Northern	*Colaptes auratus*	COAU	2	0	0	1	2	0	1	1
			3	1	0	2	0	2	0	0
			4	1	2	2	0	2	3	0
			5	5	2	2	2	2	1	0
			6	2	1	2	1	1	1	1
			7	4	2	1	1	0	0	1
			8	5	0	1	0	0	0	0
			9	0	0	1	1	1	1	1
			10	3	4	1	2	2	0	0
			11	1	3	1	2	1	1	0
			12	1	2	0	0	1	1	0
			13	0	2	0	0	0	0	1
			14	0	1	0	0	2	0	0
			15	4	2	3	1	2	0	0
			16	0	2	0	1	0	2	0
			17	2	6	0	1	0	0	0
			18	1	1	1	0	1	1	1
			19	0	0	0	0	3	2	0
			20	0	1	1	1	0	1	1
			21	2	0	2	1	0	0	0
			22	0	2	2	0	1	0	0
			23	0	0	1	0	2	0	1
			24	0	1	2	0	0	0	1
			25	0	1	4	2	2	3	0
			26	3	1	2	2	1	2	0
			27	2	4	0	1	1	0	0
			28	2	1	1	2	0	1	0
			29	1	1	0	0	0	1	0
			30	2	0	1	2	3	1	2
			31	4	1	4	5	1	1	2
			32	0	0	2	2	2	1	0
			33	5	1	1	1	0	1	1
			34	0	1	1	2	0	2	0
			35	1	2	1	2	1	1	0
Flycatcher, Acadian	*Empidonax virescens*	EMVI	32	0	0	0	0	0	0	2
Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	2	5	2	1	0	2	2	1
			3	2	2	0	1	0	2	0
			4	0	2	0	3	1	0	1
			5	2	1	0	0	0	0	0
			6	5	4	3	1	2	3	5

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			7	0	0	0	1	0	0	0
			8	1	0	1	1	1	0	0
			9	3	1	0	0	2	0	0
			10	0	0	2	0	0	3	1
			11	0	0	0	0	0	0	1
			12	5	0	0	0	1	1	2
			13	0	1	0	2	2	2	4
			14	0	0	0	0	0	1	2
			15	0	3	3	3	2	2	1
			16	0	1	2	1	1	1	2
			17	0	4	2	2	2	1	4
			18	3	1	0	2	1	0	2
			19	2	6	2	3	2	3	3
			20	1	0	1	0	1	0	1
			21	1	0	1	1	2	0	0
			22	0	1	1	2	1	2	1
			23	2	2	0	0	2	1	2
			24	1	4	3	4	1	2	3
			25	5	7	1	2	2	2	2
			26	2	0	1	0	1	0	1
			27	0	1	1	2	0	1	2
			28	0	2	1	1	2	1	1
			29	0	0	3	1	1	0	1
			30	0	0	1	1	1	1	1
			31	2	1	0	0	1	2	1
			32	0	0	0	0	1	0	0
			33	3	0	1	0	1	1	2
			34	1	2	1	0	2	0	1
			35	1	3	0	2	2	2	2
Flycatcher, Olive-sided	*Contopus borealis*	COBO	14	0	0	1	0	0	0	0
Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	4	0	2	0	0	0	0	0
			6	0	0	0	0	0	1	0
			8	0	2	2	2	1	0	0
			10	0	1	0	0	0	0	0
			15	0	0	0	1	0	0	0
			18	0	0	0	0	1	0	0
			20	0	0	0	1	0	0	0
			21	0	1	0	0	0	0	0
			22	0	0	0	0	0	2	0
			29	0	0	0	0	1	0	0
			33	0	0	0	0	0	1	0
			35	0	0	0	1	2	0	0
Goldfinch, American	*Cardualis tristis*	CATR	2	0	0	0	0	1	0	0
			3	0	0	1	0	0	0	0
			5	0	0	1	0	0	0	1
			6	0	1	1	1	0	0	0
			8	1	0	0	8	0	0	NR
			10	1	1	0	2	0	0	1
			11	3	0	0	2	1	1	2
			12	0	0	0	0	1	1	0
			14	0	1	0	0	1	0	0

Plot Numbers for each Species.

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			18	0	0	0	1	0	0	0
			19	0	1	0	0	0	1	0
			28	0	2	0	0	0	0	0
			29	0	1	0	0	1	0	0
			33	0	0	0	0	0	1	0
			35	0	0	0	0	0	1	0
Goose, Canada	*Branta canadensis*	BRCA1	9	2	0	0	0	0	0	0
			11	0	0	0	1	0	0	3
			29	0	0	0	5	0	0	4
Grackle, Common	*Guiscalus guisculs*	QUQU	3	0	0	0	0	1	0	0
			5	0	0	0	0	1	0	0
			6	0	0	0	1	0	7	2
			8	0	0	0	0	0	0	1
			9	0	0	0	1	0	4	2
			10	0	0	1	0	0	0	0
			11	0	0	0	0	1	0	3
			23	0	0	0	0	0	1	0
			31	0	0	0	0	2	0	1
			34	0	0	0	0	0	1	0
			35	1	0	1	1	0	0	0
Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	2	1	5	0	1	0	1	0
			3	0	1	1	0	0	0	0
			4	0	4	2	1	1	2	2
			5	4	4	3	2	0	0	1
			7	2	2	1	0	0	0	1
			9	0	1	2	0	1	0	0
			10	3	1	0	0	1	1	1
			11	0	0	1	0	0	0	1
			12	1	1	0	0	0	0	1
			14	0	0	0	0	1	0	0
			15	0	1	0	0	0	0	0
			16	2	0	3	2	1	0	0
			18	4	0	1	0	0	0	0
			19	2	3	0	0	0	0	1
			20	0	1	1	2	1	0	1
			21	2	1	0	0	0	2	0
			23	2	3	0	0	1	0	0
			25	0	8	2	5	3	0	1
			26	7	2	2	2	3	3	2
			27	10	1	1	2	2	0	0
			28	1	0	1	0	2	0	2
			29	1	0	1	0	0	0	0
			30	3	1	0	1	2	1	3
			31	8	2	5	2	3	4	2
			32	0	0	0	1	1	0	0
			33	1	3	1	4	1	1	1
			34	0	0	1	0	0	0	0
			35	0	0	0	1	0	0	0
Grouse, Ruffed	*Bonasa umbellus*	BOUM	2	0	1	0	0	0	0	0
			6	1	0	0	1	0	0	0
			8	0	2	0	0	0	0	0

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			9	0	0	0	0	1	1	0
			11	0	0	0	2	0	0	0
			18	0	2	0	0	0	0	1
			22	0	1	0	0	0	0	0
			23	2	0	0	0	0	0	0
			25	1	0	0	0	0	0	0
			29	0	1	0	0	0	0	0
Hawk, Broad-winged	*Bueto platypterus*	BUPL	17	0	1	0	0	0	0	0
Hawk, Cooper's	*Accipiter cooperii*	ACCO	13	0	0	0	0	0	1	0
			33	0	0	0	0	0	1	0
Hawk, Red-shouldered	*Buteo lineatus*	BULI	2	0	0	0	0	0	1	0
			25	0	0	1	0	0	0	0
			29	0	0	0	0	0	1	0
Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	2	0	0	0	1	2	1	0
			4	0	0	0	0	0	1	0
			5	0	0	0	0	0	0	1
			9	0	0	1	0	0	1	0
			10	0	0	0	0	0	1	0
			14	0	0	0	0	1	1	0
			15	0	0	0	0	1	0	1
			20	0	0	0	0	0	0	1
			21	0	0	0	0	0	1	0
			22	0	0	0	0	0	1	0
			24	0	0	0	0	0	2	0
			26	0	1	0	0	0	0	0
			30	0	1	0	0	0	0	1
			31	0	0	0	0	0	0	1
			33	0	0	0	0	0	0	1
			34	2	0	0	0	0	1	0
			35	0	0	1	0	0	1	0
Hawk, Sharp-shinned	*Accipiter striatus*	ACST	32	0	0	0	0	0	1	0
Heron, Green-backed	*Butorides striatus*	BUST	9	0	1	0	0	0	0	0
Jay, Blue	*Cyanocitta cristata*	CYCR	2	2	0	1	0	1	4	2
			3	0	4	2	1	1	2	2
			4	2	4	2	1	0	2	0
			5	1	1	2	2	4	1	1
			6	1	1	1	2	2	1	3
			7	6	4	1	0	1	1	1
			8	1	1	0	0	0	0	0
			9	1	1	1	0	0	1	1
			10	4	0	1	1	0	2	2
			11	0	2	0	1	1	1	1
			12	0	0	0	1	0	2	1
			13	1	4	1	0	0	3	0
			14	3	1	1	1	1	2	NR
			15	1	1	1	2	1	1	2
			16	3	4	3	3	1	2	3
			17	5	5	0	0	1	1	2
			18	0	2	1	2	2	1	1
			19	0	3	6	0	2	1	1
			20	0	2	2	1	1	6	2

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			21	1	1	1	0	0	1	0
			22	4	2	5	0	0	0	0
			23	2	1	0	1	1	3	1
			24	1	3	1	1	2	0	2
			25	0	2	4	1	1	6	1
			26	4	4	3	2	0	2	1
			27	3	2	4	4	1	4	4
			28	2	1	3	0	0	0	2
			29	4	0	4	1	1	2	0
			30	1	0	1	2	1	3	1
			31	1	7	6	2	1	2	2
			32	0	3	0	1	1	0	0
			33	2	1	2	0	1	2	1
			34	3	7	2	5	3	6	0
			35	2	0	1	0	0	3	2
Junco, Dark-eyed	*Junco hyemalis*	JUHY	2	11	0	1	0	0	0	0
			12	0	0	1	0	0	0	0
			14	0	0	2	0	0	0	0
			15	1	0	0	0	0	0	0
			25	1	0	0	0	0	0	0
Kestrel, American	*Falco sparvarius*	FASP	2	0	0	1	0	0	0	0
Killdeer	*Charadrius vociferus*	CHVO	3	0	0	0	0	0	0	1
			29	3	0	0	0	0	0	0
Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	9	1	0	3	1	1	0	0
			15	0	0	0	1	0	0	0
			18	0	0	0	1	0	0	0
			23	0	0	0	0	1	0	0
			29	0	0	0	0	1	0	0
Mallard	*Anas platyrhynchos*	ANPL	17	0	1	0	0	0	0	0
Mockingbird, Northern	*Mimus polyglottos*	MIPO	3	1	0	0	0	0	0	0
			15	3	0	0	0	0	0	0
Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	2	1	2	0	0	0	0	0
			3	0	1	1	2	0	1	2
			4	0	1	0	0	1	0	1
			5	3	1	0	0	1	1	0
			6	4	0	0	0	1	1	3
			7	0	0	2	0	0	0	1
			8	1	0	0	0	1	0	0
			9	1	0	0	0	0	0	0
			11	0	0	0	0	0	1	1
			13	0	0	0	0	0	1	0
			14	0	1	0	0	0	0	0
			16	0	0	1	0	1	1	0
			17	0	0	0	0	1	0	1
			18	0	0	1	0	0	0	0
			19	0	0	1	0	0	0	0
			20	0	0	1	2	0	0	2
			21	2	0	0	0	0	0	1
			22	0	0	0	1	0	0	1
			23	0	0	0	0	1	0	0
			24	0	0	0	0	0	1	0

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			25	2	2	0	2	1	0	0
			26	0	0	0	0	0	1	1
			27	0	0	1	1	1	2	2
			28	1	3	0	0	0	0	0
			29	0	0	1	0	1	0	0
			30	0	0	3	3	1	1	0
			31	0	0	0	2	0	0	0
			33	0	0	1	0	2	0	1
			34	0	2	1	0	0	0	0
			35	6	1	0	0	1	0	1
Oriole, Northern	*Icterus galbula*	ICGA	2	2	0	0	0	1	0	0
			3	0	2	4	3	2	2	3
			4	1	6	2	2	3	4	4
			5	3	0	2	1	1	3	1
			6	0	0	0	0	0	0	1
			7	1	0	2	5	1	1	2
			8	0	0	0	0	0	1	0
			9	19	4	0	1	3	1	3
			10	0	4	0	1	1	2	NR
			11	0	1	0	1	0	1	1
			12	0	0	1	4	0	0	0
			13	0	2	0	0	0	0	1
			14	0	5	0	1	0	1	0
			15	1	2	0	0	0	0	1
			16	1	0	0	2	1	1	0
			17	0	1	0	0	0	0	0
			18	0	1	4	3	2	6	3
			19	3	2	1	1	2	2	1
			20	0	5	1	2	1	1	1
			21	0	0	0	1	1	0	0
			22	0	4	2	0	0	2	0
			23	0	2	0	0	2	0	1
			24	0	1	0	0	0	0	0
			25	0	0	2	1	2	2	2
			26	0	2	3	2	2	2	1
			27	2	2	1	2	2	3	4
			28	0	1	0	0	2	0	0
			29	2	4	1	2	1	2	3
			30	0	0	0	1	0	2	2
			31	0	2	2	2	1	2	2
			33	2	2	1	1	1	2	2
			34	0	1	0	0	2	1	1
			35	5	2	0	0	1	2	0
Ovenbird	*Seiurus aurocapillus*	SEAU	2	0	3	0	0	0	1	0
			3	6	2	5	2	2	4	3
			4	4	0	1	1	3	1	1
			5	5	2	1	1	2	0	0
			6	1	1	0	0	0	0	0
			7	4	0	1	0	0	0	4
			8	0	1	0	1	0	0	0
			9	4	0	1	2	0	2	1

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			10	1	0	0	0	0	1	1
			11	0	4	0	0	3	2	3
			12	1	1	2	1	2	0	1
			13	7	10	4	3	5	3	2
			14	2	3	1	1	3	0	0
			16	2	0	0	0	0	0	1
			17	8	4	2	5	3	3	2
			18	6	3	3	2	2	1	1
			19	6	0	1	0	2	2	3
			20	4	14	4	2	3	2	4
			21	9	4	2	0	3	2	2
			22	0	2	2	2	1	1	4
			23	12	4	5	4	3	3	2
			24	7	2	1	1	3	3	2
			25	1	2	0	1	0	0	1
			26	1	2	1	1	1	0	1
			27	0	3	1	2	1	1	1
			28	10	2	1	1	2	1	0
			29	4	4	2	4	1	2	1
			30	0	2	0	0	0	2	1
			31	1	0	0	2	1	2	1
			32	0	0	0	1	2	0	0
			33	1	0	0	0	0	0	0
			34	3	0	0	3	3	2	6
			35	0	0	0	0	0	0	3
Owl, Barred	*Strix varia*	STVA	10	1	0	0	0	0	0	0
			16	0	4	1	3	1	3	0
			20	0	0	2	0	0	0	0
			21	0	0	0	0	0	0	1
			22	0	0	0	0	0	1	0
			30	0	1	0	0	0	0	0
			32	0	3	0	1	2	2	0
Owl, Eastern Screech	*Otus asio*	OTAS	30	0	0	1	0	0	0	0
Owl, Long-eared	*Asio otus*	ASOT	17	0	0	0	0	0	0	1
Parula, Northern	*Parula americana*	PAAM	5	0	1	0	0	0	0	0
			25	0	3	0	0	0	0	0
			30	0	1	0	0	0	0	0
Pewee, Eastern Wood	*Contopus virens*	COVI1	2	2	0	0	2	2	0	0
			3	8	0	1	1	5	0	2
			4	7	3	1	1	2	3	2
			5	0	0	2	2	1	0	1
			6	0	0	1	0	2	1	1
			7	6	2	2	1	2	1	1
			8	0	0	1	0	0	1	0
			9	2	1	0	2	0	0	1
			10	1	0	0	1	1	0	1
			11	0	0	0	0	0	0	1
			12	0	0	0	0	1	0	1
			13	0	1	0	1	2	0	2
			14	3	2	0	1	1	0	0
			15	0	0	1	1	1	0	1

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			16	1	0	1	0	1	1	1
			17	6	1	0	2	1	1	3
			18	0	0	2	2	0	2	2
			19	1	1	1	0	1	0	0
			20	4	3	1	2	2	2	2
			21	3	1	3	1	3	2	3
			22	3	1	2	2	0	2	1
			23	1	2	0	1	1	0	1
			24	0	1	0	0	0	1	2
			25	1	3	2	3	2	1	2
			26	3	0	1	1	1	0	3
			27	4	0	2	2	2	2	1
			28	5	1	2	1	1	1	2
			29	0	0	0	0	1	1	0
			30	5	1	3	3	2	4	4
			31	2	0	0	0	2	2	2
			32	1	1	1	2	1	1	2
			33	2	2	2	0	2	2	2
			34	4	0	3	1	2	2	3
			35	4	4	1	3	2	3	2
Phoebe, Eastern	*Sayornis phoebe*	SAPH	3	2	0	2	0	0	0	0
			4	0	0	0	1	0	0	1
			6	2	0	0	0	0	0	0
			8	4	1	0	0	1	0	0
			9	0	2	0	0	0	0	0
			10	2	2	0	0	0	0	0
			12	0	0	0	0	0	0	1
			14	0	2	0	0	1	0	0
			15	0	1	0	0	1	0	0
			23	0	1	0	0	0	0	0
			24	0	0	0	0	1	0	0
			26	6	2	2	0	1	1	0
			29	10	1	1	1	1	0	0
			31	0	0	0	0	0	1	0
			32	2	0	0	0	0	0	0
			34	0	0	0	1	0	0	0
			35	0	3	0	1	1	1	1
Redstart, American	*Setophaga ruticilla*	SERU1	3	0	1	0	0	0	0	0
			4	4	0	0	4	2	0	3
			5	12	3	0	2	0	2	2
			6	0	1	0	0	0	0	0
			8	1	1	1	0	1	0	0
			9	0	0	0	0	1	0	1
			10	0	0	1	2	1	1	1
			11	0	6	0	0	1	1	3
			12	2	1	0	1	0	0	0
			14	0	0	0	0	0	0	1
			16	1	0	0	0	1	0	0
			17	0	0	0	0	0	1	0
			19	0	0	0	1	0	0	0
			20	10	1	0	3	4	1	5

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			25	0	2	0	0	0	0	0
			26	2	1	1	2	0	0	1
			27	0	1	0	0	0	0	0
			28	2	3	1	0	0	7	0
			30	7	1	0	1	3	1	1
			31	0	0	0	0	0	0	1
			32	0	0	0	0	0	0	3
			33	2	1	3	5	2	3	3
Robin, American	*Turdus migratorius*	TUMI	2	4	0	1	1	2	0	0
			3	5	0	1	1	1	0	1
			4	9	4	3	1	3	3	3
			5	3	3	2	2	3	4	5
			6	0	5	3	2	0	1	2
			7	2	1	2	3	1	3	3
			8	1	0	0	1	1	1	1
			9	2	1	2	1	0	2	1
			10	2	6	6	3	0	2	2
			11	10	1	2	1	0	3	2
			12	0	2	0	0	3	2	0
			13	2	1	0	0	0	0	2
			14	4	0	0	5	1	0	0
			15	0	3	1	0	1	3	1
			16	0	1	0	1	1	0	0
			18	0	0	1	1	0	0	1
			19	4	4	1	1	2	1	0
			20	0	1	2	2	3	3	3
			21	2	3	1	0	4	2	1
			22	0	0	1	0	0	0	0
			23	2	0	0	0	0	0	0
			25	0	1	1	2	1	0	1
			26	1	0	2	2	1	4	3
			27	3	3	0	1	1	2	1
			28	0	1	0	1	1	5	2
			29	4	1	1	0	1	0	0
			30	5	3	2	1	4	3	1
			31	3	11	1	5	2	1	4
			32	1	3	1	0	1	0	1
			33	7	2	0	3	2	1	4
			34	1	1	0	5	0	1	1
			35	0	1	1	1	2	0	1
Sparrow, Chipping	*Spizella passerina*	SPPA2	2	4	0	0	0	2	2	1
			4	0	0	0	0	0	0	3
			5	1	0	0	1	0	0	0
			8	3	5	3	2	4	1	4
			10	3	5	2	2	1	1	2
			11	1	0	0	1	0	0	0
			12	4	0	2	0	0	0	1
			14	3	1	2	3	0	1	0
			15	1	3	0	3	3	2	1
			16	2	0	0	0	0	0	1
			17	0	0	0	1	0	2	0

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			18	0	0	0	0	0	1	1
			21	0	1	0	0	2	1	0
			23	0	0	0	0	0	1	0
			24	0	0	0	0	0	0	4
			25	3	3	0	0	2	0	1
			28	0	5	0	0	0	3	0
			29	0	1	0	0	1	1	0
			31	0	0	0	0	0	1	0
			32	0	0	0	0	1	0	0
			35	0	0	0	2	3	0	1
Sparrow, Field	*Spizella pusilla*	SPPU1	2	4	2	0	0	0	1	1
			3	0	1	0	0	0	0	1
			7	0	0	0	0	0	2	0
			10	2	0	0	0	2	0	0
			12	2	2	1	2	3	1	2
			14	2	0	2	1	3	1	1
			15	6	2	4	3	4	1	1
			16	0	1	1	1	0	1	1
			18	0	0	0	0	0	0	1
			19	0	4	0	1	1	0	0
			24	3	2	2	1	0	0	3
			25	2	1	0	1	1	0	0
			29	0	1	0	1	1	1	0
Sparrow, Song	*Melospiza melodia*	MEME	5	0	0	1	0	0	0	0
			9	1	0	3	0	1	1	0
			11	1	0	0	0	0	2	2
			24	1	0	0	0	1	0	0
Sparrow, Swamp	*Melospiza georgiana*	MEGE	9	0	0	1	0	0	0	0
Sparrow, White-throated	*Zonotrichia albicollis*	ZOAL	14	0	1	0	0	0	0	0
Swallow, Barn	*Hirundo rustica*	HIRU	4	0	0	0	0	0	0	1
Swallow, Northern Rough-winged	*Stelgidopteryx serripennis*	STSE	35	0	0	0	0	0	0	1
Swallow, Tree	*Tachycineta bicolor*	TABI	15	1	0	0	0	0	0	0
			28	0	0	0	0	0	0	1
Swift, Chimney	*Chaetura pelagica*	CHPE	6	2	0	0	0	0	0	0
			8	0	0	0	0	1	0	0
			26	0	0	0	0	0	0	4
Tanager, Scarlet	*Piranga olivacea*	PIOL	2	0	2	0	1	0	2	0
			3	2	2	0	3	0	1	3
			4	2	7	4	1	3	2	2
			5	7	2	2	2	2	2	2
			6	0	0	0	3	3	0	0
			7	3	1	5	0	1	4	3
			8	3	1	2	2	0	3	1
			9	2	3	0	2	1	3	1
			10	3	3	2	2	0	6	2
			11	0	0	1	0	1	1	0
			12	2	0	0	0	1	2	0
			13	0	1	1	2	2	1	0
			14	1	7	0	1	1	2	3
			15	0	3	1	3	1	1	0
			16	2	2	2	2	2	2	3

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			17	0	1	2	0	1	2	0
			18	0	1	2	1	2	0	0
			19	0	3	2	2	3	0	0
			20	0	3	2	4	3	2	1
			21	6	1	4	1	2	2	3
			22	3	1	1	2	1	1	2
			23	0	2	2	2	2	2	4
			24	0	4	0	1	0	2	1
			25	4	2	1	3	3	2	3
			26	6	2	2	2	4	1	3
			27	0	11	2	3	3	2	2
			28	6	5	1	3	1	3	3
			29	3	0	1	0	3	2	1
			30	2	2	1	3	3	1	2
			31	4	3	1	3	2	3	3
			32	3	3	2	3	2	1	2
			33	1	4	2	2	1	2	2
			34	3	1	1	2	1	4	0
			35	1	4	2	3	2	3	2
Thrasher, Brown	*Toxostoma rufum*	TORU	3	0	0	1	0	0	0	0
Thrush, Gray-cheeked	*Catharus minimus*	CAMI2	9	0	0	0	0	0	1	0
			21	0	0	0	0	0	0	1
Thrush, Hermit	*Catharus guttatus*	CAGU	2	3	2	1	0	1	2	1
			4	0	0	0	0	1	0	0
			8	0	1	0	0	0	0	0
			10	1	0	0	0	4	0	0
			12	0	2	0	0	1	0	0
			13	0	0	1	0	0	1	0
			14	0	0	0	1	1	0	0
			15	0	1	1	1	0	2	2
			16	0	2	1	0	0	0	0
			17	2	1	0	0	0	0	0
			18	0	1	0	0	1	0	1
			19	0	0	0	0	3	0	0
			20	0	0	0	0	1	0	0
			21	7	1	3	0	3	1	2
			23	4	3	0	0	0	0	0
			24	2	2	0	1	1	0	1
			25	0	2	0	0	0	0	0
			26	1	0	0	0	0	0	0
			28	2	6	0	0	0	1	0
			29	0	0	0	1	0	2	0
			33	1	0	0	0	0	0	0
Thrush, Swainson's	*Catharus ustulatus*	CAUS	3	0	0	0	0	1	0	0
			27	0	0	0	0	0	2	0
			34	0	0	0	0	0	1	0
			35	0	0	0	0	1	1	0
Thrush, Wood	*Hylocichla mustelina*	HYMU	2	0	3	0	1	0	0	0
			3	6	3	1	1	3	0	2
			4	6	2	5	3	4	3	2
			5	8	3	5	5	2	1	4

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			6	0	1	0	2	1	0	0
			7	3	0	5	1	1	1	3
			8	1	0	1	0	2	0	1
			9	4	2	0	2	0	1	3
			10	1	7	3	1	2	0	2
			11	0	1	0	0	1	2	1
			12	1	2	3	2	0	0	0
			13	10	0	0	1	1	0	1
			14	5	2	1	1	3	1	1
			15	0	0	0	1	0	0	0
			16	2	2	3	2	1	0	0
			17	0	1	0	0	0	0	0
			18	7	1	2	0	2	0	3
			19	4	2	1	1	3	0	0
			20	7	13	4	4	5	6	3
			21	5	1	3	1	2	1	1
			22	0	2	2	0	1	0	1
			23	3	1	0	2	1	1	2
			24	1	2	0	2	0	0	0
			25	3	2	3	1	5	1	2
			26	14	5	3	7	3	2	4
			27	10	3	1	3	3	2	5
			28	3	2	2	4	1	3	1
			29	1	3	2	0	1	1	1
			30	11	4	2	4	4	3	4
			31	8	3	5	8	3	2	3
			32	2	2	2	0	1	0	3
			33	6	5	4	4	2	0	1
			34	5	4	2	1	4	3	3
			35	0	7	1	2	1	0	0
Titmouse, Tufted	*Parus bicolor*	PABI	2	0	1	1	0	0	1	1
			3	1	2	1	2	1	0	0
			4	2	3	2	0	0	0	0
			5	0	2	1	0	1	0	0
			6	1	1	0	1	3	0	1
			7	0	1	1	0	1	0	0
			10	0	1	0	0	0	2	1
			11	0	2	1	2	1	1	0
			12	0	1	0	0	0	0	0
			13	0	1	0	1	2	1	0
			15	0	1	0	0	0	0	0
			16	3	2	0	0	3	0	1
			17	2	2	0	0	0	0	0
			18	0	0	0	0	0	0	1
			19	0	1	0	0	0	0	1
			20	0	0	1	0	1	0	1
			21	0	1	0	0	1	0	0
			22	3	2	0	0	0	1	0
			23	0	0	0	0	1	0	1
			24	1	2	0	1	0	0	0
			25	3	1	0	0	1	0	0

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			26	1	1	1	1	0	2	0
			27	1	3	1	2	2	3	1
			28	1	3	2	0	1	1	0
			30	0	0	0	0	1	1	0
			31	0	0	1	0	0	1	0
			32	0	0	0	0	1	0	0
			33	0	0	1	0	0	0	0
			34	3	1	0	1	2	2	2
			35	1	3	2	1	3	4	1
Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	2	3	5	3	1	2	1	2
			3	3	2	1	1	3	1	4
			4	1	4	0	0	1	0	0
			5	0	1	0	1	1	0	2
			6	0	1	0	0	0	0	0
			7	2	0	1	1	1	1	0
			8	0	0	0	0	1	0	0
			9	0	0	1	0	2	5	2
			10	7	3	1	0	1	0	1
			11	2	0	0	0	0	0	0
			12	4	2	1	5	3	4	2
			13	0	1	0	0	1	0	0
			14	6	6	2	3	2	3	2
			15	7	2	3	4	4	3	8
			16	0	2	0	2	1	3	0
			17	0	3	0	0	2	0	0
			18	15	6	5	4	4	5	7
			19	3	2	1	2	1	1	2
			21	4	2	0	1	3	1	0
			23	5	3	4	4	4	3	4
			24	2	2	0	0	2	0	0
			25	3	1	1	0	1	2	3
			27	0	0	0	0	1	1	1
			28	0	1	2	2	1	0	0
			29	1	2	1	1	0	1	0
			30	0	1	0	0	0	0	0
			31	0	1	1	0	2	0	0
			33	0	1	0	0	0	0	0
			34	4	1	0	1	1	0	0
Turkey, Wild	*Meleagris gallopavo*	MEGA	2	0	0	0	0	1	0	0
			3	0	0	0	0	1	1	1
			4	0	0	0	0	2	0	0
			5	0	0	0	1	0	0	0
			8	0	0	0	0	0	0	1
			12	3	0	3	0	0	0	0
			13	0	0	0	0	0	0	1
			14	0	1	0	0	0	0	0
			15	0	0	0	3	0	0	0
			16	0	1	0	0	1	0	13
			18	1	0	0	1	1	0	0
			19	0	0	0	0	0	0	1
			20	0	1	0	0	0	0	0

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			21	0	0	0	0	1	0	0
			22	0	0	0	1	0	0	0
			25	2	1	0	0	0	0	0
			26	0	0	1	0	0	0	0
			27	0	0	0	0	0	0	1
			29	0	0	0	1	0	0	2
			31	0	0	0	0	1	0	0
			33	0	0	0	0	0	1	0
			35	0	0	0	0	0	4	2
Veery	*Catharus fuscescens*	CAFU2	2	0	0	0	0	0	1	0
			3	0	0	0	1	1	0	0
			4	0	1	1	1	1	0	2
			5	2	2	1	1	1	0	1
			7	1	0	0	0	0	0	0
			8	0	1	1	1	2	3	2
			9	0	0	0	1	0	0	0
			10	5	2	0	1	1	1	0
			11	7	7	3	3	3	1	4
			12	0	0	0	0	2	0	0
			14	0	0	0	1	0	0	2
			15	0	0	0	0	0	0	1
			16	2	0	0	0	0	0	0
			18	4	0	3	0	2	0	0
			20	1	4	2	0	2	2	1
			21	0	1	0	0	2	0	2
			22	0	0	1	0	0	0	0
			25	1	0	0	0	0	0	0
			26	0	0	0	1	2	1	1
			27	0	0	0	1	0	0	0
			28	2	1	1	1	1	1	1
			29	0	0	0	0	1	0	0
			30	0	0	0	1	0	1	0
			31	0	0	0	0	1	0	0
			32	1	1	2	0	0	0	2
			33	1	1	0	0	1	1	0
			34	1	0	0	0	0	1	0
Vireo, Red-eyed	*Vireo olivaceus*	VIOL	2	1	0	0	2	0	0	1
			3	8	2	0	1	2	0	4
			4	9	9	2	4	2	4	2
			5	7	2	1	3	1	2	4
			6	1	2	0	3	2	2	3
			7	0	1	1	1	0	1	1
			8	2	2	2	2	1	1	3
			9	1	1	1	0	0	0	2
			10	3	3	2	2	1	2	2
			11	3	5	1	1	2	0	1
			12	2	2	0	1	2	0	1
			13	2	0	2	3	1	3	2
			14	0	1	0	1	2	4	1
			15	0	1	1	0	0	2	1
			16	3	1	0	0	2	2	1

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			17	4	2	1	2	2	2	0
			18	0	0	1	0	1	1	2
			19	2	1	1	1	0	0	1
			20	5	10	6	4	4	3	4
			21	2	1	1	3	1	2	4
			22	0	3	3	2	2	1	4
			23	0	0	0	0	0	0	1
			24	0	1	2	0	0	2	2
			25	0	4	1	0	2	0	3
			26	1	4	2	2	1	2	3
			27	3	1	3	3	0	0	0
			28	3	3	2	4	2	4	2
			29	0	2	3	2	4	2	4
			30	9	4	6	5	2	5	5
			31	6	2	3	2	2	3	3
			32	8	3	1	3	4	3	5
			33	6	2	5	2	3	3	4
			34	1	0	0	1	0	0	0
			35	11	4	2	6	4	0	2
Vireo, Solitary	*Vireo solitarius*	VISO	8	0	0	2	2	3	1	1
			21	0	0	0	0	0	1	0
			27	2	0	0	0	0	0	0
			30	1	0	0	0	0	0	0
			32	1	0	0	0	0	0	1
Vireo, Warbling	*Vireo gilvus*	VIGI	9	2	0	0	0	1	0	0
			32	1	0	0	0	0	0	0
			33	0	0	0	0	0	0	1
Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	3	0	1	2	2	1	0	0
			4	1	0	0	0	1	0	0
			7	0	0	0	0	0	0	1
			8	0	0	0	0	3	0	0
			9	5	1	1	0	2	0	0
			10	0	0	0	0	0	1	0
			12	0	0	0	0	0	1	1
			13	0	0	0	1	0	0	0
			14	0	0	0	0	1	0	0
			16	0	0	0	0	0	1	0
			17	0	0	0	0	0	2	2
			18	0	0	0	0	0	0	1
			20	0	0	0	2	1	0	0
			22	0	0	0	1	0	1	0
			24	0	0	0	0	0	1	1
			25	0	0	0	1	0	0	0
			27	0	0	0	0	0	1	0
			29	1	0	0	0	0	0	0
			32	3	0	0	0	1	1	0
			33	0	0	1	0	2	1	1
			35	1	0	0	1	0	1	0
Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	2	1	2	0	4	2	2
			3	0	3	1	1	1	0	2
			4	0	0	0	1	0	1	0

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			5	2	0	1	0	1	0	0
			6	0	1	0	0	0	0	2
			7	3	1	0	2	0	0	3
			8	7	2	2	2	3	4	1
			9	8	2	1	1	2	1	2
			10	5	2	4	2	2	2	2
			11	1	1	0	2	2	2	2
			12	0	2	0	1	2	2	2
			13	2	0	0	1	0	1	2
			14	5	5	0	0	3	3	1
			15	0	0	0	0	3	1	3
			16	4	4	1	2	1	1	0
			17	2	1	0	1	0	0	0
			18	6	2	3	2	2	2	2
			19	5	2	1	1	2	1	0
			20	3	6	0	1	0	0	0
			21	9	1	0	1	2	2	2
			22	0	2	0	1	0	1	1
			23	6	2	0	1	2	0	2
			24	1	1	0	1	2	1	0
			25	4	3	1	2	1	3	2
			26	5	3	0	2	2	0	2
			27	1	0	0	0	1	0	0
			28	2	3	1	1	1	1	0
			29	2	1	4	2	1	1	1
			30	0	0	0	0	1	0	0
			31	0	0	0	1	0	1	0
			32	0	1	0	1	2	0	1
			33	0	0	0	1	0	0	0
			34	2	2	0	1	0	0	1
			35	0	0	0	1	0	0	1
Warbler, Black-throated Blue	*Dendroica caerulescens*	DECA1	4	0	0	0	0	1	0	0
			11	0	0	0	0	2	0	0
Warbler, Black-throated Green	*Dendroica virens*	DEVI	8	0	1	0	0	0	0	1
			19	0	0	0	0	1	0	0
			30	0	0	0	0	0	0	1
Warbler, Blackburnian	*Dendroica fusca*	DEFU	4	0	0	0	0	0	0	1
			11	0	0	0	0	0	0	1
Warbler, Blackpoll	*Dendroica striata*	DEST	5	0	0	0	0	0	0	1
			9	0	1	0	0	0	0	0
			11	0	0	0	0	0	0	1
			26	0	2	0	0	0	0	0
			30	2	0	0	0	0	0	0
			33	0	0	0	1	0	0	0
			35	0	0	0	0	0	0	1
Warbler, Blue-winged	*Vermivora pinus*	VEPI	5	0	0	0	0	0	0	1
			10	0	2	0	0	0	0	0
			11	2	3	2	1	1	0	1
			14	3	0	0	0	0	0	0
			15	1	0	0	0	0	1	0
			19	0	0	0	0	0	0	1

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			29	0	1	0	0	0	0	0
Warbler, Canada	*Wilsonia canadensis*	WICA	34	0	0	0	0	0	1	0
Warbler, Cerulean	*Dendroica cerulea*	DECE	2	0	1	0	0	0	0	0
			20	0	0	0	2	2	0	0
			27	0	0	0	0	0	1	0
			30	1	1	1	1	0	0	0
			32	0	1	0	0	0	0	0
			33	0	0	4	1	0	0	2
Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	4	0	1	0	0	0	0	0
			10	0	0	0	0	1	0	0
			14	0	0	0	0	2	1	1
			18	0	1	0	0	0	0	0
Warbler, Golden-winged	*Vermivora chrysoptera*	VECH	14	0	0	0	0	1	0	0
Warbler, Hooded	*Wilsonia citrina*	WICI	4	0	0	0	1	0	1	2
			14	0	0	0	0	2	0	0
			19	0	0	0	0	0	1	0
			28	0	0	0	1	0	0	0
Warbler, Pine	*Dendroica pinus*	DEPI	6	0	2	0	0	2	0	0
			8	0	0	1	0	1	0	0
Warbler, Prairie	*Dendroica discolor*	DEDI	2	0	0	1	0	0	1	3
			7	0	0	0	1	1	0	0
			10	2	0	0	0	1	0	0
			12	2	2	4	2	3	2	2
			14	2	5	1	1	2	2	2
			15	4	2	6	3	2	5	6
			18	3	1	1	0	3	4	2
			23	0	0	0	2	0	0	0
			24	0	1	0	0	0	0	0
			25	2	4	0	0	1	1	0
			29	0	0	0	0	1	1	1
Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	2	0	1	0	0	0	0	0
			4	4	0	1	0	0	0	0
			7	0	0	0	1	0	1	1
			10	0	0	0	0	0	1	0
			11	0	0	0	0	0	0	1
			12	0	1	0	0	0	0	0
			13	0	4	0	1	1	0	1
			14	0	0	0	0	0	0	1
			16	0	0	2	1	0	3	0
			17	0	2	0	0	0	1	1
			18	0	0	1	0	1	0	0
			19	0	0	0	0	0	1	0
			20	0	0	0	0	0	0	2
			23	0	1	0	0	0	0	0
			25	0	0	0	0	2	1	0
			26	4	1	2	1	2	0	1
			27	0	0	0	1	0	0	1
			29	1	0	2	0	0	0	0
			31	0	0	0	0	1	0	0
			32	0	3	0	1	0	0	1
			33	0	0	0	0	1	2	1

Plot Numbers for each Species

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			34	0	0	0	1	0	0	3
Warbler, Yellow	*Dendroica petechia*	DEPE1	3	2	0	0	0	0	1	1
			5	0	1	0	0	0	0	1
			8	0	0	0	0	1	0	0
			9	0	0	0	0	2	0	1
			10	0	0	1	0	0	0	0
			11	4	2	1	0	2	1	3
Warbler, Yellow-rumped	*Dendroica coronata*	DECO	28	0	0	0	0	0	0	1
Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	5	1	1	2	1	2	0	0
			8	0	1	1	2	0	1	2
			20	1	0	0	0	0	0	0
			21	0	1	0	0	0	0	0
			26	0	1	0	0	0	0	0
			27	0	0	1	0	0	0	0
			28	0	1	1	2	2	2	1
			30	0	1	1	1	0	0	0
			31	0	1	0	0	0	0	0
			32	2	1	2	0	2	0	2
			35	0	0	0	0	1	0	2
Waterthrush, Northern	*Seiurus noveboracensis*	SENO	28	0	4	0	0	0	0	1
			30	0	1	0	0	0	0	0
Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	2	31	1	1	0	1	0	1
			3	0	0	0	4	0	2	0
			4	1	0	2	0	0	0	0
			5	2	0	4	1	1	0	1
			6	1	4	0	0	0	0	1
			7	0	0	0	2	1	0	2
			8	1	0	0	3	0	0	0
			9	1	0	0	3	1	0	0
			10	0	0	0	1	1	0	1
			11	0	0	1	1	1	2	1
			12	7	0	0	1	1	0	3
			13	1	0	0	0	0	0	1
			14	3	0	0	0	1	0	0
			15	7	0	4	0	1	0	1
			16	0	0	0	1	0	0	1
			17	0	0	2	1	0	1	0
			18	0	0	0	0	0	1	0
			19	1	0	0	2	0	0	0
			21	1	0	1	0	0	0	0
			22	0	0	0	0	0	0	1
			23	1	0	7	0	0	0	1
			24	1	0	0	6	0	1	0
			25	2	0	1	1	0	1	0
			26	1	0	0	0	0	0	0
			27	1	1	2	2	0	0	0
			28	0	0	1	0	0	0	0
			29	0	1	0	0	0	0	0
			30	4	0	0	1	0	0	0
			31	1	0	0	0	0	2	0
			32	0	0	1	1	1	1	0

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			33	1	0	0	0	1	0	1
			34	1	0	1	1	0	1	1
			35	1	0	0	4	0	0	0
Woodpecker, Downy	*Picoides pubescens*	PIPU	2	1	0	0	0	1	0	0
			3	0	0	0	0	1	0	0
			4	0	1	0	0	0	0	0
			5	1	1	1	0	2	0	0
			7	0	0	0	0	0	1	0
			9	3	0	0	0	0	1	0
			10	0	0	0	2	0	0	2
			11	0	0	0	1	0	1	0
			14	0	0	0	0	0	0	1
			18	0	1	1	0	0	0	0
			19	0	1	0	0	0	0	0
			21	0	1	0	1	0	0	0
			22	0	0	0	0	1	1	0
			23	1	0	0	1	0	0	0
			25	1	1	0	0	0	0	0
			26	2	0	0	0	0	0	1
			27	0	0	0	1	0	0	0
			28	0	2	0	0	1	0	0
			29	0	0	0	0	1	0	0
			30	1	0	0	0	0	0	0
			35	0	0	0	0	0	1	0
Woodpecker, Hairy	*Picoides villosus*	PIVI	2	1	0	0	1	0	1	0
			3	0	0	0	0	0	0	1
			5	0	0	2	1	0	0	0
			7	0	0	1	2	0	0	1
			9	0	2	0	0	0	0	0
			10	0	0	1	0	0	0	0
			12	0	1	0	0	0	0	0
			13	0	2	0	0	0	0	0
			15	0	1	1	0	0	0	0
			16	0	0	0	0	0	0	1
			17	0	0	0	0	1	0	0
			18	0	0	1	1	2	0	0
			19	0	0	0	0	1	0	0
			20	1	1	3	0	0	0	0
			21	0	1	1	0	1	0	0
			22	0	0	1	1	2	0	0
			23	0	0	0	0	0	0	1
			24	0	0	1	0	2	0	1
			25	0	0	1	2	0	1	1
			26	3	1	1	0	2	1	1
			27	0	0	1	1	0	0	0
			28	0	0	0	0	0	1	0
			29	0	0	0	0	0	1	0
			30	0	0	0	0	0	0	1
			31	0	0	2	0	0	1	0
			33	0	0	0	0	2	0	1
			34	0	0	0	2	1	2	0

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			35	0	1	0	0	1	0	1
Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	2	0	2	1	0	0	0	0
			4	0	0	1	1	0	0	0
			5	0	0	0	0	1	0	0
			7	0	1	0	0	0	0	0
			8	0	1	0	0	0	0	0
			9	0	0	0	1	0	0	0
			11	0	0	1	0	0	0	0
			14	1	0	0	0	0	0	0
			18	0	1	0	0	0	0	0
			20	0	0	1	0	0	0	0
			21	1	1	0	0	1	0	2
			22	0	0	0	0	0	0	1
			25	0	0	1	0	0	0	0
			28	1	1	0	0	0	0	0
			30	0	0	1	0	0	0	0
			31	0	0	0	0	0	1	1
			33	2	0	0	0	1	0	0
			35	0	0	0	0	0	1	0
Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	2	0	0	0	0	1	0	0
			3	0	0	0	1	0	1	0
			4	3	2	1	2	1	0	0
			5	0	1	2	2	2	0	0
			6	0	0	0	0	0	0	1
			8	1	0	0	0	0	0	0
			9	0	2	1	0	0	0	0
			10	1	0	0	1	0	0	0
			15	1	0	1	0	0	0	0
			16	0	0	0	0	0	1	0
			18	0	0	1	0	0	0	1
			20	0	0	1	0	0	1	1
			22	0	1	1	0	0	0	0
			23	0	0	0	0	0	1	0
			24	0	1	0	0	0	0	0
			25	0	0	1	0	0	0	0
			26	5	0	2	0	0	1	2
			27	0	1	1	0	1	2	1
			28	0	0	0	0	0	1	0
			29	1	0	0	0	0	0	0
			30	0	0	1	2	1	2	0
			31	4	0	1	1	1	1	0
			32	0	0	0	0	0	1	0
			33	1	2	1	0	1	1	1
			34	1	2	1	4	0	1	1
			35	0	0	2	2	0	2	1
Wren, Carolina	*Thryothorus ludovicianus*	THLU	26	0	0	0	0	0	0	1
Wren, House	*Troglodytes aedon*	TRAE	10	1	0	0	0	0	0	0
			11	0	0	3	1	0	0	0
Wren, Winter	*Troglodytes troglodytes*	TRTR	5	0	0	0	0	0	0	1
			25	0	0	0	1	0	0	0
			26	0	0	1	0	0	1	1

Plot Numbers for each Species.

Common Name	Scientific Name	Vertid	Plotid	1991	1992	1993	1994	1995	1996	1997
			27	0	0	0	0	0	0	1
			32	0	0	1	0	0	0	0
Yellowthroat, Common	*Geothlypis trichas*	GETR	3	0	0	0	0	0	1	0
			4	0	0	0	0	0	0	1
			5	0	1	0	4	0	0	0
			6	0	0	0	0	1	0	0
			9	0	1	0	2	0	1	2
			11	3	2	2	2	2	1	2
			12	2	1	0	1	0	0	0
			15	0	1	0	2	0	0	2
			16	1	0	0	0	0	0	0
			18	0	1	0	0	1	0	1
			19	0	0	0	0	0	1	0
			28	1	0	0	0	0	0	1
			29	0	2	0	1	0	0	0
			35	0	0	0	0	1	0	0
				1558	1221	858	927	966	880	979

Appendix C: West Point Bird Species On Each LCTA Plot

Table C. Bird species checklist for West Point by plot.

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
2	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	4	4	0	1	2
	Bunting, Indigo	*Passerina cyanea*	PACY	0	0	2	0	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	1	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	1	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	0	0	2	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	1	0	0	0	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	2	0	0	0	0	1	2
	Flicker, Northern	*Colaptes auratus*	COAU	0	0	1	2	0	1	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	5	2	1	0	2	2	1
	Goldfinch, American	*Cardualis tristis*	CATR	0	0	0	0	1	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	1	5	0	1	0	1	0
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	1	0	0	0	0	0
	Hawk, Red-shouldered	*Buteo lineatus*	BULI	0	0	0	0	0	1	0
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	1	2	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	2	0	1	0	1	4	2
	Junco, Dark-eyed	*Junco hyemalis*	JUHY	11	0	1	0	0	0	0
	Kestrel, American	*Falco sparvarius*	FASP	0	0	1	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	1	2	0	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	2	0	0	0	1	0	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	0	3	0	0	0	1	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	2	0	0	2	2	0	0
	Robin, American	*Turdus migratorius*	TUMI	4	0	1	1	2	0	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	4	0	0	0	2	2	1
	Sparrow, Field	*Spizella pusilla*	SPPU1	4	2	0	0	0	1	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	2	0	1	0	2	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	3	2	1	0	1	2	1
	Thrush, Wood	*Hylocichla mustelina*	HYMU	0	3	0	1	0	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	1	0	0	1	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	3	5	3	1	2	1	2
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	1	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	0	0	1	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	1	0	0	2	0	0	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	1	2	0	4	2	2
	Warbler, Cerulean	*Dendroica cerulea*	DECE	0	1	0	0	0	0	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	0	0	1	0	0	1	3
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	1	0	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	31	1	1	0	1	0	1
	Woodpecker, Downy	*Picoides pubescens*	PIPU	1	0	0	0	1	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	1	0	0	1	0	1	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	2	1	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	0	0	1	0	0
3	Blackbird, Red-winged	*Agalaius phoeniceus*	AGPH	0	0	0	0	0	2	1
	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	0	1	0	0	0
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	0	1	0	0	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	1	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	0	1
	Crow, American	*Corvus brachyrhynchos*	COBR1	1	0	3	0	1	4	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	0	1	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	1	0	2	0	2	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	2	2	0	1	0	2	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Goldfinch, American	*Carduelis tristis*	CATR	0	0	1	0	0	0	0
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	0	1	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	1	1	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	4	2	1	1	2	2
	Killdeer	*Charadrius vociferus*	CHVO	0	0	0	0	0	0	1
	Mockingbird, Northern	*Mimus polyglottos*	MIPO	1	0	0	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	1	1	2	0	1	2
	Oriole, Northern	*Icterus galbula*	ICGA	0	2	4	3	2	2	3
	Ovenbird	*Seiurus aurocapillus*	SEAU	6	2	5	2	2	4	3
	Pewee, Eastern Wood	*Contopus virens*	COVI1	8	0	1	1	5	0	2
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	2	0	2	0	0	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	0	1	0	0	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	5	0	1	1	1	0	1
	Sparrow, Field	*Spizella pusilla*	SPPU1	0	1	0	0	0	0	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	2	2	0	3	0	1	3
	Thrasher, Brown	*Toxostoma rufum*	TORU	0	0	1	0	0	0	0
	Thrush, Swainson's	*Catharus ustulatus*	CAUS	0	0	0	0	1	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	6	3	1	1	3	0	2
	Titmouse, Tufted	*Parus bicolor*	PABI	1	2	1	2	1	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	3	2	1	1	3	1	4
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	1	1	1
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	1	1	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	8	2	0	1	2	0	4
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	1	2	2	1	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	3	1	1	1	0	2
	Warbler, Yellow	*Dendroica petechia*	DEPE1	2	0	0	0	0	1	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	0	4	0	2	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	0	1	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	0	0	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	0	1	0	1	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	0	0	0	0	1	0
4	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	0	1	1	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	1	0	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	1	0	1	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	1	0	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	0	0	0	0	1
	Flicker, Northern	*Colaptes auratus*	COAU	1	2	2	0	2	3	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	2	0	3	1	0	1
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	2	0	0	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	4	2	1	1	2	2
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	2	4	2	1	0	2	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	1	0	0	1	0	1
	Oriole, Northern	*Icterus galbula*	ICGA	1	6	2	2	3	4	4
	Ovenbird	*Seiurus aurocapillus*	SEAU	4	0	1	1	3	1	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	7	3	1	1	2	3	2
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	0	0	1	0	0	1
	Redstart, American	*Setophaga ruticilla*	SERU1	4	0	0	4	2	0	3
	Robin, American	*Turdus migratorius*	TUMI	9	4	3	1	3	3	3
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	0	0	0	0	0	3
	Swallow, Barn	*Hirundo rustica*	HIRU	0	0	0	0	0	0	1

Plot Checklist

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Tanager, Scarlet	*Piranga olivacea*	PIOL	2	7	4	1	3	2	2
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	0	0	0	1	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	6	2	5	3	4	3	2
	Titmouse, Tufted	*Parus bicolor*	PABI	2	3	2	0	0	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	1	4	0	0	1	0	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	2	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	1	1	1	1	0	2
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	9	9	2	4	2	4	2
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	1	0	0	0	1	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	0	0	1	0	1	0
	Warbler, Black-throated Blue	*Dendroica caerulescens*	DECA1	0	0	0	0	1	0	0
	Warbler, Blackburnian	*Dendroica fusca*	DEFU	0	0	0	0	0	0	1
	Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	0	1	0	0	0	0	0
	Warbler, Hooded	*Wilsonia citrina*	WICI	0	0	0	1	0	1	2
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	4	0	1	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	2	0	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	1	0	0	0	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	1	1	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	3	2	1	2	1	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	0	0	0	0	0	1
5	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	1	0	2
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	3	0	1	1	0	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	0	1	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	0	1	0	0	1
	Flicker, Northern	*Colaptes auratus*	COAU	5	2	2	2	2	1	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	2	1	0	0	0	0	0
	Goldfinch, American	*Carduelis tristis*	CATR	0	0	1	0	0	0	1
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	0	1	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	4	4	3	2	0	0	1
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	1	2	2	4	1	1
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	3	1	0	0	1	1	0
	Oriole, Northern	*Icterus galbula*	ICGA	3	0	2	1	1	3	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	5	2	1	1	2	0	0
	Parula, Northern	*Parula americana*	PAAM	0	1	0	0	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	2	2	1	0	1
	Redstart, American	*Setophaga ruticilla*	SERU1	12	3	0	2	0	2	2
	Robin, American	*Turdus migratorius*	TUMI	3	3	2	2	3	4	5
	Sparrow, Chipping	*Spizella passerina*	SPPA2	1	0	0	1	0	0	0
	Sparrow, Song	*Melospiza melodia*	MEME	0	0	1	0	0	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	7	2	2	2	2	2	2
	Thrush, Wood	*Hylocichla mustelina*	HYMU	8	3	5	5	2	1	4
	Titmouse, Tufted	*Parus bicolor*	PABI	0	2	1	0	1	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	1	0	1	1	0	2
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	1	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	2	2	1	1	1	0	1
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	7	2	1	3	1	2	4
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	0	1	0	1	0	0
	Warbler, Blackpoll	*Dendroica striata*	DEST	0	0	0	0	0	0	1
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	0	0	0	0	0	0	1
	Warbler, Yellow	*Dendroica petechia*	DEPE1	0	1	0	0	0	0	1

Plot Checklist

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	1	1	2	1	2	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	2	0	4	1	1	0	1
	Woodpecker, Downy	*Picoides pubescens*	PIPU	1	1	1	0	2	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	2	1	0	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	0	0	1	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	1	2	2	2	0	0
	Wren, Winter	*Troglodytes troglodytes*	TRTR	0	0	0	0	0	0	1
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	1	0	4	0	0	0
6	Bluebird, Eastern	*Sialia sialis*	SISI	0	1	0	0	0	0	0
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	0	2	0	0	0	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	4	0	0	1	1	3	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	4	2	3	2	5	2	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	1	1	1	0	0	0	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	1	3	2	2	3	2	2
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	0	0	0	0	2
	Finch, House	*Carpodacus mexicanus*	CAME2	0	0	0	1	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	2	1	2	1	1	1	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	5	4	3	1	2	3	5
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	0	0	0	0	1	0
	Goldfinch, American	*Cardualis tristis*	CATR	0	1	1	1	0	0	0
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	1	0	7	2
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	1	0	0	1	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	1	1	2	2	1	3
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	4	0	0	0	1	1	3
	Oriole, Northern	*Icterus galbula*	ICGA	0	0	0	0	0	0	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	1	1	0	0	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	1	0	2	1	1
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	2	0	0	0	0	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	0	1	0	0	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	0	5	3	2	0	1	2
	Swift, Chimney	*Chaetura pelagica*	CHPE	2	0	0	0	0	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	0	0	3	3	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	0	1	0	2	1	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	1	1	0	1	3	0	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	1	0	0	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	1	2	0	3	2	2	3
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	1	0	0	0	0	2
	Warbler, Pine	*Dendroica pinus*	DEPI	0	2	0	0	2	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	4	0	0	0	0	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	0	0	0	0	1
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	0	0	0	1	0	0
7	Bunting, Indigo	*Passerina cyanea*	PACY	0	0	0	2	0	1	1
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	4	0	1	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	1	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	1	0	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	4	2	1	1	0	0	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	0	0	1	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	2	2	1	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	6	4	1	0	1	1	1
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	2	0	0	0	1
	Oriole, Northern	*Icterus galbula*	ICGA	1	0	2	5	1	1	2

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Ovenbird	*Seiurus aurocapillus*	SEAU	4	0	1	0	0	0	4
	Pewee, Eastern Wood	*Contopus virens*	COVI1	6	2	2	1	2	1	1
	Robin, American	*Turdus migratorius*	TUMI	2	1	2	3	1	3	3
	Sparrow, Field	*Spizella pusilla*	SPPU1	0	0	0	0	0	2	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	3	1	5	0	1	4	3
	Thrush, Wood	*Hylocichla mustelina*	HYMU	3	0	5	1	1	1	3
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	1	0	1	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	2	0	1	1	1	1	0
	Veery	*Catharus fuscescens*	CAFU2	1	0	0	0	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	1	1	1	0	1	1
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	0	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	3	1	0	2	0	0	3
	Warbler, Prairie	*Dendroica discolor*	DEDI	0	0	0	1	1	0	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	1	0	1	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	0	2	1	0	2
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	0	0	1	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	2	0	0	1
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	1	0	0	0	0	0
8	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	0	1	0	0	0	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	3	0	0	0	1	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	3	2	1
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	1	0	2	0	0	1	1
	Crow, American	*Corvus brachyrhynchos*	COBR1	1	0	0	0	4	2	3
	Duck, Wood	*Aix sponsa*	AISP	0	0	0	1	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	5	0	1	0	0	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	1	0	1	1	1	0	0
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	2	2	2	1	0	0
	Goldfinch, American	*Cardualis tristis*	CATR	1	0	0	8	0	0	NR
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	0	0	0	1
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	2	0	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	1	0	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	1	0	0	0	1	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	0	0	0	0	1	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	0	1	0	1	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	1	0	0	1	0
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	4	1	0	0	1	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	1	1	1	0	1	0	0
	Robin, American	*Turdus migratorius*	TUMI	1	0	0	1	1	1	1
	Sparrow, Chipping	*Spizella passerina*	SPPA2	3	5	3	2	4	1	4
	Swift, Chimney	*Chaetura pelagica*	CHPE	0	0	0	0	1	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	3	1	2	2	0	3	1
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	1	0	0	0	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	1	0	1	0	2	0	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	0	0	0	1	0	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	0	0	1
	Veery	*Catharus fuscescens*	CAFU2	0	1	1	1	2	3	2
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	2	2	2	2	1	1	3
	Vireo, Solitary	*Vireo solitarius*	VISO	0	0	2	2	3	1	1
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	3	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	7	2	2	2	3	4	1
	Warbler, Black-throated Green	*Dendroica virens*	DEVI	0	1	0	0	0	0	1

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Warbler, Pine	*Dendroica pinus*	DEPI	0	0	1	0	1	0	0
	Warbler, Yellow	*Dendroica petechia*	DEPE1	0	0	0	0	1	0	0
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	0	1	1	2	0	1	2
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	0	3	0	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	1	0	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	1	0	0	0	0	0	0
9	Bittern, American	*Botaurus lentiginosus*	BOLE	0	0	1	0	0	0	0
	Blackbird, Red-winged	*Agalaius phoeniceus*	AGPH	18	0	7	15	9	13	11
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	0	0	0	0	1	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	1	0	0	2	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	5	4	0	0	1	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	0	3
	Duck, American Black	*Anas rubripes*	ANRU	0	0	0	1	0	0	0
	Duck, Wood	*Aix sponsa*	AISP	28	2	1	1	1	1	0
	Flicker, Northern	*Colaptes auratus*	COAU	0	0	1	1	1	1	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	3	1	0	0	2	0	0
	Goose, Canada	*Branta canadensis*	BRCA1	2	0	0	0	0	0	0
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	1	0	4	2
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	1	2	0	1	0	0
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	0	0	0	1	1	0
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	1	0	0	1	0
	Heron, Green-backed	*Butorides striatus*	BUST	0	1	0	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	1	1	0	0	1	1
	Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	1	0	3	1	1	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	1	0	0	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	19	4	0	1	3	1	3
	Ovenbird	*Seiurus aurocapillus*	SEAU	4	0	1	2	0	2	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	2	1	0	2	0	0	1
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	2	0	0	0	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	0	0	0	0	1	0	1
	Robin, American	*Turdus migratorius*	TUMI	2	1	2	1	0	2	1
	Sparrow, Song	*Melospiza melodia*	MEME	1	0	3	0	1	1	0
	Sparrow, Swamp	*Melospiza georgiana*	MEGE	0	0	1	0	0	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	2	3	0	2	1	3	1
	Thrush, Gray-cheeked	*Catharus minimus*	CAMI2	0	0	0	0	0	1	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	4	2	0	2	0	1	3
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	0	1	0	2	5	2
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	1	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	1	1	1	0	0	0	2
	Vireo, Warbling	*Vireo gilvus*	VIGI	2	0	0	0	1	0	0
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	5	1	1	0	2	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	8	2	1	1	2	1	2
	Warbler, Blackpoll	*Dendroica striata*	DEST	0	1	0	0	0	0	0
	Warbler, Yellow	*Dendroica petechia*	DEPE1	0	0	0	0	2	0	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	0	3	1	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	3	0	0	0	0	1	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	2	0	0	0	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	0	1	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	2	1	0	0	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	1	0	2	0	1	2
10	Bunting, Indigo	*Passerina cyanea*	PACY	0	0	0	1	0	0	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	3	0	0	0	0	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	0	1	2	0	0	1
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	1	2	0	1	2	1	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	1	1	0	0	1	1	2
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	0	0	1	1
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	0	1	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	2	0	1	1	1
	Flicker, Northern	*Colaptes auratus*	COAU	3	4	1	2	2	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	0	2	0	0	3	1
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	1	0	0	0	0	0
	Goldfinch, American	*Cardualis tristis*	CATR	1	1	0	2	0	0	1
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	1	0	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	3	1	0	0	1	1	1
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	4	0	1	1	0	2	2
	Oriole, Northern	*Icterus galbula*	ICGA	0	4	0	1	1	2	NR
	Ovenbird	*Seiurus aurocapillus*	SEAU	1	0	0	0	0	1	1
	Owl, Barred	*Strix varia*	STVA	1	0	0	0	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	1	0	0	1	1	0	1
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	2	2	0	0	0	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	0	0	1	2	1	1	1
	Robin, American	*Turdus migratorius*	TUMI	2	6	6	3	0	2	2
	Sparrow, Chipping	*Spizella passerina*	SPPA2	3	5	2	2	1	1	2
	Sparrow, Field	*Spizella pusilla*	SPPU1	2	0	0	0	2	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	3	3	2	2	0	6	2
	Thrush, Hermit	*Catharus guttatus*	CAGU	1	0	0	0	4	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	1	7	3	1	2	0	2
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	0	0	0	2	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	7	3	1	0	1	0	1
	Veery	*Catharus fuscescens*	CAFU2	5	2	0	1	1	1	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	3	3	2	2	1	2	2
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	1	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	5	2	4	2	2	2	2
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	0	2	0	0	0	0	0
	Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	0	0	0	0	1	0	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	2	0	0	0	1	0	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	0	0	1	0
	Warbler, Yellow	*Dendroica petechia*	DEPE1	0	0	1	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	0	1	1	0	1
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	2	0	0	2
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	1	0	0	1	0	0	0
	Wren, House	*Troglodytes aedon*	TRAE	1	0	0	0	0	0	0
11	Blackbird, Red-winged	*Agalaius phoeniceus*	AGPH	0	0	0	0	0	1	0
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	2	1	3	4	5	2	1
	Catbird, Gray	*Dumetella carolinensis*	DUCA	14	3	2	2	3	6	3
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	1	3	0	3	0	2
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	1	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	1	4	0	5	1	3	2
	Finch, House	*Carpodacus mexicanus*	CAME2	1	3	0	0	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	1	3	1	2	1	1	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	0	0	0	0	0	1
	Goldfinch, American	*Cardualis tristis*	CATR	3	0	0	2	1	1	2
	Goose, Canada	*Branta canadensis*	BRCA1	0	0	0	1	0	0	3
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	0	1	0	3
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	0	1	0	0	0	1
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	0	0	2	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	2	0	1	1	1	1
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	0	0	1	1
	Oriole, Northern	*Icterus galbula*	ICGA	0	1	0	1	0	1	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	0	4	0	0	3	2	3
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	0	0	0	0	1
	Redstart, American	*Setophaga ruticilla*	SERU1	0	6	0	0	1	1	3
	Robin, American	*Turdus migratorius*	TUMI	10	1	2	1	0	3	2
	Sparrow, Chipping	*Spizella passerina*	SPPA2	1	0	0	1	0	0	0
	Sparrow, Song	*Melospiza melodia*	MEME	1	0	0	0	0	2	2
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	0	1	0	1	1	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	0	1	0	0	1	2	1
	Titmouse, Tufted	*Parus bicolor*	PABI	0	2	1	2	1	1	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	2	0	0	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	7	7	3	3	3	1	4
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	3	5	1	1	2	0	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	1	1	0	2	2	2	2
	Warbler, Black-throated Blue	*Dendroica caerulescens*	DECA1	0	0	0	0	2	0	0
	Warbler, Blackburnian	*Dendroica fusca*	DEFU	0	0	0	0	0	0	1
	Warbler, Blackpoll	*Dendroica striata*	DEST	0	0	0	0	0	0	1
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	2	3	2	1	1	0	1
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	0	0	0	1
	Warbler, Yellow	*Dendroica petechia*	DEPE1	4	2	1	0	2	1	3
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	1	1	1	2	1
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	1	0	1	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	1	0	0	0	0
	Wren, House	*Troglodytes aedon*	TRAE	0	0	3	1	0	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	3	2	2	2	2	1	2
12	Bluebird, Eastern	*Sialia sialis*	SISI	0	1	0	0	0	0	0
	Bunting, Indigo	*Passerina cyanea*	PACY	1	0	2	0	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	1	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	0	1
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	2	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	1	2	0	0	1	1	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	5	0	0	0	1	1	2
	Goldfinch, American	*Cardualis tristis*	CATR	0	0	0	0	1	1	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	1	1	0	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	0	0	1	0	2	1
	Junco, Dark-eyed	*Junco hyemalis*	JUHY	0	0	1	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	0	1	4	0	0	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	1	1	2	1	2	0	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	0	0	1	0	1
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	0	0	0	0	0	1
	Redstart, American	*Setophaga ruticilla*	SERU1	2	1	0	1	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	0	2	0	0	3	2	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	4	0	2	0	0	0	1

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Sparrow, Field	*Spizella pusilla*	SPPU1	2	2	1	2	3	1	2
	Tanager, Scarlet	*Piranga olivacea*	PIOL	2	0	0	0	1	2	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	2	0	0	1	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	1	2	3	2	0	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	0	0	0	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	4	2	1	5	3	4	2
	Turkey, Wild	*Meleagris gallopavo*	MEGA	3	0	3	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	0	2	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	2	2	0	1	2	0	1
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	1	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	2	0	1	2	2	2
	Warbler, Prairie	*Dendroica discolor*	DEDI	2	2	4	2	3	2	2
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	1	0	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	7	0	0	1	1	0	3
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	1	0	0	0	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	2	1	0	1	0	0	0
13	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	1	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	1	1	0	0	0	0	1
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	1	1	0	1
	Flicker, Northern	*Colaptes auratus*	COAU	0	2	0	0	0	0	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	1	0	2	2	2	4
	Hawk, Cooper's	*Accipiter cooperii*	ACCO	0	0	0	0	0	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	4	1	0	0	3	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	0	0	1	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	2	0	0	0	0	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	7	10	4	3	5	3	2
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	1	0	1	2	0	2
	Robin, American	*Turdus migratorius*	TUMI	2	1	0	0	0	0	2
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	1	1	2	2	1	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	0	1	0	0	1	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	10	0	0	1	1	0	1
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	0	1	2	1	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	1	0	0	1	0	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	0	0	1
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	2	0	2	3	1	3	2
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	1	0	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	0	0	1	0	1	2
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	4	0	1	1	0	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	0	0	0	0	1
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	2	0	0	0	0	0
14	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	0	0	0	1	0
	Bunting, Indigo	*Passerina cyanea*	PACY	0	2	2	1	1	0	0
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	1	0	0	0	0	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	1	0	0	0	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	3	0	0	0	0	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	2	0	1	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	0	1	0	0	2	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	0	0	0	0	1	2
	Flycatcher, Olive-sided	*Contopus borealis*	COBO	0	0	1	0	0	0	0
	Goldfinch, American	*Cardualis tristis*	CATR	0	1	0	0	1	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	0	0	0	1	0	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	1	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	3	1	1	1	1	2	NR
	Junco, Dark-eyed	*Junco hyemalis*	JUHY	0	0	2	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	1	0	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	5	0	1	0	1	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	2	3	1	1	3	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	3	2	0	1	1	0	0
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	2	0	0	1	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	0	0	0	0	0	0	1
	Robin, American	*Turdus migratorius*	TUMI	4	0	0	5	1	0	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	3	1	2	3	0	1	0
	Sparrow, Field	*Spizella pusilla*	SPPU1	2	0	2	1	3	1	1
	Sparrow, White-throated	*Zonotrichia albicollis*	ZOAL	0	1	0	0	0	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	1	7	0	1	1	2	3
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	0	0	1	1	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	5	2	1	1	3	1	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	6	6	2	3	2	3	2
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	1	0	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	1	0	0	2
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	1	0	1	2	4	1
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	1	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	5	5	0	0	3	3	1
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	3	0	0	0	0	0	0
	Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	0	0	0	0	2	1	1
	Warbler, Golden-winged	*Vermivora chrysoptera*	VECH	0	0	0	0	1	0	0
	Warbler, Hooded	*Wilsonia citrina*	WICI	0	0	0	0	2	0	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	2	5	1	1	2	2	2
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	0	0	0	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	3	0	0	0	1	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	0	0	0	1
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	1	0	0	0	0	0	0
15	Bluebird, Eastern	*Sialia sialis*	SISI	1	0	2	0	1	1	2
	Bunting, Indigo	*Passerina cyanea*	PACY	1	1	3	1	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	1	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	2	0	0	0	0	0	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	1	0	0	0	0	0	0
	Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	0	0	1	0	0	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	1	0	2	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	4	2	3	1	2	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	3	3	3	2	2	1
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	0	0	1	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	1	0	0	0	0	0
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	1	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	1	1	2	1	1	2
	Junco, Dark-eyed	*Junco hyemalis*	JUHY	1	0	0	0	0	0	0
	Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	0	0	0	1	0	0	0
	Mockingbird, Northern	*Mimus polyglottos*	MIPO	3	0	0	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	1	2	0	0	0	0	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	1	1	1	0	1
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	1	0	0	1	0	0
	Robin, American	*Turdus migratorius*	TUMI	0	3	1	0	1	3	1

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Sparrow, Chipping	*Spizella passerina*	SPPA2	1	3	0	3	3	2	1
	Sparrow, Field	*Spizella pusilla*	SPPU1	6	2	4	3	4	1	1
	Swallow, Tree	*Tachycineta bicolor*	TABI	1	0	0	0	0	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	3	1	3	1	1	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	1	1	1	0	2	2
	Thrush, Wood	*Hylocichla mustelina*	HYMU	0	0	0	1	0	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	0	0	0	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	7	2	3	4	4	3	8
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	3	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	0	0	0	1
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	1	1	0	0	2	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	0	0	0	3	1	3
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	1	0	0	0	0	1	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	4	2	6	3	2	5	6
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	7	0	4	0	1	0	1
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	1	1	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	1	0	1	0	0	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	1	0	2	0	0	2
16	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	0	0	2
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	2	2	1	0	0	2
	Flicker, Northern	*Colaptes auratus*	COAU	0	2	0	1	0	2	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	1	2	1	1	1	2
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	2	0	3	2	1	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	3	4	3	3	1	2	3
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	1	0	1	1	0
	Oriole, Northern	*Icterus galbula*	ICGA	1	0	0	2	1	1	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	2	0	0	0	0	0	1
	Owl, Barred	*Strix varia*	STVA	0	4	1	3	1	3	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	1	0	1	0	1	1	1
	Redstart, American	*Setophaga ruticilla*	SERU1	1	0	0	0	1	0	0
	Robin, American	*Turdus migratorius*	TUMI	0	1	0	1	1	0	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	2	0	0	0	0	0	1
	Sparrow, Field	*Spizella pusilla*	SPPU1	0	1	1	1	0	1	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	2	2	2	2	2	2	3
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	2	1	0	0	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	2	2	3	2	1	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	3	2	0	0	3	0	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	2	0	2	1	3	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	1	0	0	1	0	13
	Veery	*Catharus fuscescens*	CAFU2	2	0	0	0	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	3	1	0	0	2	2	1
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	1	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	4	4	1	2	1	1	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	2	1	0	3	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	0	1	0	0	1
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	0	0	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	0	0	0	1	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	1	0	0	0	0	0	0
17	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	0	1	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	1	0	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	1	0	0	0	1	0	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	0	1	0	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	1	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	2	6	0	1	0	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	4	2	2	2	1	4
	Hawk, Broad-winged	*Bueto platypterus*	BUPL	0	1	0	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	5	5	0	0	1	1	2
	Mallard	*Anas platyrhynchos*	ANPL	0	1	0	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	0	1	0	1
	Oriole, Northern	*Icterus galbula*	ICGA	0	1	0	0	0	0	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	8	4	2	5	3	3	2
	Owl, Long-eared	*Asio otus*	ASOT	0	0	0	0	0	0	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	6	1	0	2	1	1	3
	Redstart, American	*Setophaga ruticilla*	SERU1	0	0	0	0	0	1	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	0	0	1	0	2	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	1	2	0	1	2	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	2	1	0	0	0	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	0	1	0	0	0	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	2	2	0	0	0	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	3	0	0	2	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	4	2	1	2	2	2	0
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	2	2
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	1	0	1	0	0	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	2	0	0	0	1	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	2	1	0	1	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	1	0	0
18	Bunting, Indigo	*Passerina cyanea*	PACY	0	0	0	0	2	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	0	2	0	0	0	2
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	1	0	0	0	1	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	2	0	0	1
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	0	0	1	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	1	1	1	0	1	1	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	3	1	0	2	1	0	2
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	0	0	0	1	0	0
	Goldfinch, American	*Cardualis tristis*	CATR	0	0	0	1	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	4	0	1	0	0	0	0
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	2	0	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	2	1	2	2	1	1
	Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	0	0	0	1	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	1	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	1	4	3	2	6	3
	Ovenbird	*Seiurus aurocapillus*	SEAU	6	3	3	2	2	1	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	2	2	0	2	2
	Robin, American	*Turdus migratorius*	TUMI	0	0	1	1	0	0	1
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	0	0	0	0	1	1
	Sparrow, Field	*Spizella pusilla*	SPPU1	0	0	0	0	0	0	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	1	2	1	2	0	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	1	0	0	1	0	1
	Thrush, Wood	*Hylocichla mustelina*	HYMU	7	1	2	0	2	0	3
	Titmouse, Tufted	*Parus bicolor*	PABI	0	0	0	0	0	0	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	15	6	5	4	4	5	7
	Turkey, Wild	*Meleagris gallopavo*	MEGA	1	0	0	1	1	0	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Veery	*Catharus fuscescens*	CAFU2	4	0	3	0	2	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	0	1	0	1	1	2
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	0	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	6	2	3	2	2	2	2
	Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	0	1	0	0	0	0	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	3	1	1	0	3	4	2
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	1	0	1	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	0	0	0	1	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	1	1	0	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	1	2	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	1	0	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	1	0	0	0	1
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	1	0	0	1	0	1
19	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	5	0	0	0	0	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	0	0	0	1
	Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	0	0	0	0	1	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	0	0	0	0	3	2	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	2	6	2	3	2	3	3
	Goldfinch, American	*Cardualis tristis*	CATR	0	1	0	0	0	1	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	2	3	0	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	3	6	0	2	1	1
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	1	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	3	2	1	1	2	2	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	6	0	1	0	2	2	3
	Pewee, Eastern Wood	*Contopus virens*	COVI1	1	1	1	0	1	0	0
	Redstart, American	*Setophaga ruticilla*	SERU1	0	0	0	1	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	4	4	1	1	2	1	0
	Sparrow, Field	*Spizella pusilla*	SPPU1	0	4	0	1	1	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	3	2	2	3	0	0
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	0	0	0	3	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	4	2	1	1	3	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	0	0	0	0	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	3	2	1	2	1	1	2
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	0	0	1
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	2	1	1	1	0	0	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	5	2	1	1	2	1	0
	Warbler, Black-throated Green	*Dendroica virens*	DEVI	0	0	0	0	1	0	0
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	0	0	0	0	0	0	1
	Warbler, Hooded	*Wilsonia citrina*	WICI	0	0	0	0	0	1	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	0	0	1	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	0	2	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	1	0	0	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	1	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	0	0	0	0	1	0
20	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	1	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	3	1	2
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	3	0	1	0	1
	Flicker, Northern	*Colaptes auratus*	COAU	0	1	1	1	0	1	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	1	0	1	0	1	0	1
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	0	0	1	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	1	1	2	1	0	1

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	2	2	1	1	6	2
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	1	2	0	0	2
	Oriole, Northern	*Icterus galbula*	ICGA	0	5	1	2	1	1	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	4	14	4	2	3	2	4
	Owl, Barred	*Strix varia*	STVA	0	0	2	0	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	4	3	1	2	2	2	2
	Redstart, American	*Setophaga ruticilla*	SERU1	10	1	0	3	4	1	5
	Robin, American	*Turdus migratorius*	TUMI	0	1	2	2	3	3	3
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	3	2	4	3	2	1
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	0	0	0	1	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	7	13	4	4	5	6	3
	Titmouse, Tufted	*Parus bicolor*	PABI	0	0	1	0	1	0	1
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	1	0	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	1	4	2	0	2	2	1
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	5	10	6	4	4	3	4
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	2	1	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	3	6	0	1	0	0	0
	Warbler, Cerulean	*Dendroica cerulea*	DECE	0	0	0	2	2	0	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	0	0	0	2
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	1	0	0	0	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	1	1	3	0	0	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	1	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	1	0	0	1	1
21	Chickadee, Black-capped	*Parus atricapillus*	PAAT	1	0	3	0	1	0	1
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	1	0	0	1	0	1
	Creeper, Brown	*Carthia americana*	CEAM	3	0	0	0	0	0	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	0	1	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	2	0	2	1	0	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	1	0	1	1	2	0	0
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	1	0	0	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	2	1	0	0	0	2	0
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	1	1	0	0	1	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	2	0	0	0	0	0	1
	Oriole, Northern	*Icterus galbula*	ICGA	0	0	0	1	1	0	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	9	4	2	0	3	2	2
	Owl, Barred	*Strix varia*	STVA	0	0	0	0	0	0	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	3	1	3	1	3	2	3
	Robin, American	*Turdus migratorius*	TUMI	2	3	1	0	4	2	1
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	1	0	0	2	1	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	6	1	4	1	2	2	3
	Thrush, Gray-cheeked	*Catharus minimus*	CAMI2	0	0	0	0	0	0	1
	Thrush, Hermit	*Catharus guttatus*	CAGU	7	1	3	0	3	1	2
	Thrush, Wood	*Hylocichla mustelina*	HYMU	5	1	3	1	2	1	1
	Titmouse, Tufted	*Parus bicolor*	PABI	0	1	0	0	1	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	4	2	0	1	3	1	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	1	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	1	0	0	2	0	2
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	2	1	1	3	1	2	4
	Vireo, Solitary	*Vireo solitarius*	VISO	0	0	0	0	0	1	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	9	1	0	1	2	2	2
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	0	1	0	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	1	0	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	1	0	1	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	1	1	0	1	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	1	1	0	0	1	0	2
22	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	0	0	0	1	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	1	0	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	1	0	0	0
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	1	1	2	2
	Flicker, Northern	*Colaptes auratus*	COAU	0	2	2	0	1	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	1	1	2	1	2	1
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	0	0	0	0	2	0
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	1	0	0	0	0	0
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	4	2	5	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	1	0	0	1
	Oriole, Northern	*Icterus galbula*	ICGA	0	4	2	0	0	2	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	0	2	2	2	1	1	4
	Owl, Barred	*Strix varia*	STVA	0	0	0	0	0	1	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	3	1	2	2	0	2	1
	Robin, American	*Turdus migratorius*	TUMI	0	0	1	0	0	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	3	1	1	2	1	1	2
	Thrush, Wood	*Hylocichla mustelina*	HYMU	0	2	2	0	1	0	1
	Titmouse, Tufted	*Parus bicolor*	PABI	3	2	0	0	0	1	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	1	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	1	0	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	3	3	2	2	1	4
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	1	0	1	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	2	0	1	0	1	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	0	0	0	0	1
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	0	1	1	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	1	2	0	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	0	0	0	0	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	1	1	0	0	0	0
23	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	1	0
	Flicker, Northern	*Colaptes auratus*	COAU	0	0	1	0	2	0	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	2	2	0	0	2	1	2
	Grackle, Common	*Guiscalus guisculs*	QUQU	0	0	0	0	0	1	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	2	3	0	0	1	0	0
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	2	0	0	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	2	1	0	1	1	3	1
	Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	0	0	0	0	1	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	0	1	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	2	0	0	2	0	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	12	4	5	4	3	3	2
	Pewee, Eastern Wood	*Contopus virens*	COVI1	1	2	0	1	1	0	1
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	1	0	0	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	2	0	0	0	0	0	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	0	0	0	0	1	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	2	2	2	2	2	4

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Thrush, Hermit	*Catharus guttatus*	CAGU	4	3	0	0	0	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	3	1	0	2	1	1	2
	Titmouse, Tufted	*Parus bicolor*	PABI	0	0	0	0	1	0	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	5	3	4	4	4	3	4
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	0	0	0	0	0	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	6	2	0	1	2	0	2
	Warbler, Prairie	*Dendroica discolor*	DEDI	0	0	0	2	0	0	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	1	0	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	7	0	0	0	1
	Woodpecker, Downy	*Picoides pubescens*	PIPU	1	0	0	1	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	0	0	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	0	0	0	1	0
24	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	0	0	1
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	1	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	1	0	0	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	0	1	2	0	0	0	1
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	1	4	3	4	1	2	3
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	0	0	0	0	2	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	3	1	1	2	0	2
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	0	0	1	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	1	0	0	0	0	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	7	2	1	1	3	3	2
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	1	0	0	0	1	2
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	0	0	0	0	1	0	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	0	0	0	0	0	4
	Sparrow, Field	*Spizella pusilla*	SPPU1	3	2	2	1	0	0	3
	Sparrow, Song	*Melospiza melodia*	MEME	1	0	0	0	1	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	4	0	1	0	2	1
	Thrush, Hermit	*Catharus guttatus*	CAGU	2	2	0	1	1	0	1
	Thrush, Wood	*Hylocichla mustelina*	HYMU	1	2	0	2	0	0	0
	Titmouse, Tufted	*Parus bicolor*	PABI	1	2	0	1	0	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	2	2	0	0	2	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	1	2	0	0	2	2
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	1	1
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	1	1	0	1	2	1	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	0	1	0	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	0	6	0	1	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	0	2	0	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	1	0	0	0	0	0
25	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	0	0	1	1	0
	Bunting, Indigo	*Passerina cyanea*	PACY	4	0	1	1	1	0	1
	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	0	1	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	1	0	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	2	0	0	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	1	2	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	0	1	4	2	2	3	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	5	7	1	2	2	2	2
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	0	8	2	5	3	0	1
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	1	0	0	0	0	0	0
	Hawk, Red-shouldered	*Buteo lineatus*	BULI	0	0	1	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	0	2	4	1	1	6	1

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Junco, Dark-eyed	*Junco hyemalis*	JUHY	1	0	0	0	0	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	2	2	0	2	1	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	0	2	1	2	2	2
	Ovenbird	*Seiurus aurocapillus*	SEAU	1	2	0	1	0	0	1
	Parula, Northern	*Parula americana*	PAAM	0	3	0	0	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	1	3	2	3	2	1	2
	Redstart, American	*Setophaga ruticilla*	SERU1	0	2	0	0	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	0	1	1	2	1	0	1
	Sparrow, Chipping	*Spizella passerina*	SPPA2	3	3	0	0	2	0	1
	Sparrow, Field	*Spizella pusilla*	SPPU1	2	1	0	1	1	0	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	4	2	1	3	3	2	3
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	2	0	0	0	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	3	2	3	1	5	1	2
	Titmouse, Tufted	*Parus bicolor*	PABI	3	1	0	0	1	0	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	3	1	1	0	1	2	3
	Turkey, Wild	*Meleagris gallopavo*	MEGA	2	1	0	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	1	0	0	0	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	4	1	0	2	0	3
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	1	0	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	4	3	1	2	1	3	2
	Warbler, Prairie	*Dendroica discolor*	DEDI	2	4	0	0	1	1	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	0	2	1	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	2	0	1	1	0	1	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	1	1	0	0	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	2	0	1	1
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	0	0	1	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	1	0	0	0	0
	Wren, Winter	*Troglodytes troglodytes*	TRTR	0	0	0	1	0	0	0
26	Chickadee, Black-capped	*Parus atricapillus*	PAAT	1	0	0	0	0	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	2	0	0	1	2	0	0
	Creeper, Brown	*Carthia americana*	CEAM	1	0	0	0	0	0	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	1	0	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	3	1	2	2	1	2	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	2	0	1	0	1	0	1
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	7	2	2	2	3	3	2
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	1	0	0	0	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	4	4	3	2	0	2	1
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	0	0	0	1	1
	Oriole, Northern	*Icterus galbula*	ICGA	0	2	3	2	2	2	1
	Ovenbird	*Seiurus aurocapillus*	SEAU	1	2	1	1	1	0	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	3	0	1	1	1	0	3
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	6	2	2	0	1	1	0
	Redstart, American	*Setophaga ruticilla*	SERU1	2	1	1	2	0	0	1
	Robin, American	*Turdus migratorius*	TUMI	1	0	2	2	1	4	3
	Swift, Chimney	*Chaetura pelagica*	CHPE	0	0	0	0	0	0	4
	Tanager, Scarlet	*Piranga olivacea*	PIOL	6	2	2	2	4	1	3
	Thrush, Hermit	*Catharus guttatus*	CAGU	1	0	0	0	0	0	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	14	5	3	7	3	2	4
	Titmouse, Tufted	*Parus bicolor*	PABI	1	1	1	1	0	2	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	1	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	1	2	1	1

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	1	4	2	2	1	2	3
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	5	3	0	2	2	0	2
	Warbler, Blackpoll	*Dendroica striata*	DEST	0	2	0	0	0	0	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	4	1	2	1	2	0	1
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	0	1	0	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	0	0	0	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	2	0	0	0	0	0	1
	Woodpecker, Hairy	*Picoides villosus*	PIVI	3	1	1	0	2	1	1
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	5	0	2	0	0	1	2
	Wren, Carolina	*Thryothorus ludovicianus*	THLU	0	0	0	0	0	0	1
	Wren, Winter	*Troglodytes troglodytes*	TRTR	0	0	1	0	0	1	1
27	Chickadee, Black-capped	*Parus atricapillus*	PAAT	1	0	2	0	0	0	0
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	0	0	1	0
	Dove, Mourning	*Zenaida macroura*	ZEMA	0	0	0	0	0	0	1
	Flicker, Northern	*Colaptes auratus*	COAU	2	4	0	1	1	0	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	1	1	2	0	1	2
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	10	1	1	2	2	0	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	3	2	4	4	1	4	4
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	1	1	1	2	2
	Oriole, Northern	*Icterus galbula*	ICGA	2	2	1	2	2	3	4
	Ovenbird	*Seiurus aurocapillus*	SEAU	0	3	1	2	1	1	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	4	0	2	2	2	2	1
	Redstart, American	*Setophaga ruticilla*	SERU1	0	1	0	0	0	0	0
	Robin, American	*Turdus migratorius*	TUMI	3	3	0	1	1	2	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	0	11	2	3	3	2	2
	Thrush, Swainson's	*Catharus ustulatus*	CAUS	0	0	0	0	0	2	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	10	3	1	3	3	2	5
	Titmouse, Tufted	*Parus bicolor*	PABI	1	3	1	2	2	3	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	0	0	0	1	1	1
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	0	0	0	1
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	1	0	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	3	1	3	3	0	0	0
	Vireo, Solitary	*Vireo solitarius*	VISO	2	0	0	0	0	0	0
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	0	0	0	0	0	1	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	1	0	0	0	1	0	0
	Warbler, Cerulean	*Dendroica cerulea*	DECE	0	0	0	0	0	1	0
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	0	0	0	1	0	0	1
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	0	0	1	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	1	1	2	2	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	1	0	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	1	1	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	1	1	0	1	2	1
	Wren, Winter	*Troglodytes troglodytes*	TRTR	0	0	0	0	0	0	1
28	Bluebird, Eastern	*Sialia sialis*	SISI	0	1	0	0	1	0	0
	Cardinal, Northern	*Cardinalis cardinalis*	CACA4	0	0	0	0	1	0	0
	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	1	0	0	1	1	1
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	1	0	2	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	0	0	0	0	1	0
	Creeper, Brown	*Carthia americana*	CEAM	0	0	1	0	0	0	0
	Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	0	0	0	0	1	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	2	1	1	2	0	1	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	2	1	1	2	1	1
	Goldfinch, American	*Cardualis tristis*	CATR	0	2	0	0	0	0	0
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	1	0	1	0	2	0	2
	Jay, Blue	*Cyanocitta cristata*	CYCR	2	1	3	0	0	0	2
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	1	3	0	0	0	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	1	0	0	2	0	0
	Ovenbird	*Seiurus aurocapillus*	SEAU	10	2	1	1	2	1	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	5	1	2	1	1	1	2
	Redstart, American	*Setophaga ruticilla*	SERU1	2	3	1	0	0	7	0
	Robin, American	*Turdus migratorius*	TUMI	0	1	0	1	1	5	2
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	5	0	0	0	3	0
	Swallow, Tree	*Tachycineta bicolor*	TABI	0	0	0	0	0	0	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	6	5	1	3	1	3	3
	Thrush, Hermit	*Catharus guttatus*	CAGU	2	6	0	0	0	1	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	3	2	2	4	1	3	1
	Titmouse, Tufted	*Parus bicolor*	PABI	1	3	2	0	1	1	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	1	2	2	1	0	0
	Veery	*Catharus fuscescens*	CAFU2	2	1	1	1	1	1	1
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	3	3	2	4	2	4	2
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	3	1	1	1	1	0
	Warbler, Hooded	*Wilsonia citrina*	WICI	0	0	0	1	0	0	0
	Warbler, Yellow-rumped	*Dendroica coronata*	DECO	0	0	0	0	0	0	1
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	0	1	1	2	2	2	1
	Waterthrush, Northern	*Seiurus noveboracensis*	SENO	0	4	0	0	0	0	1
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	0	1	0	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	2	0	0	1	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	0	1	0
	Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	1	1	0	0	0	0	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	0	0	0	0	0	1	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	1	0	0	0	0	0	1
29	Bluebird, Eastern	*Sialia sialis*	SISI	0	0	0	0	2	0	0
	Bunting, Indigo	*Passerina cyanea*	PACY	1	1	1	1	0	0	1
	Catbird, Gray	*Dumetella carolinensis*	DUCA	0	1	0	0	0	0	0
	Chickadee, Black-capped	*Parus atricapillus*	PAAT	0	0	0	0	1	0	0
	Cowbird, Brown-headed	*Molothrus ater*	MOAT	1	0	1	0	1	1	2
	Crow, American	*Corvus brachyrhynchos*	COBR1	0	0	0	2	0	1	NR
	Flicker, Northern	*Colaptes auratus*	COAU	1	1	0	0	0	1	0
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	0	3	1	1	0	1
	Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	0	0	0	0	1	0	0
	Goldfinch, American	*Cardualis tristis*	CATR	0	1	0	0	1	0	0
	Goose, Canada	*Branta canadensis*	BRCA1	0	0	0	5	0	0	4
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	1	0	1	0	0	0	0
	Grouse, Ruffed	*Bonasa umbellus*	BOUM	0	1	0	0	0	0	0
	Hawk, Red-shouldered	*Buteo lineatus*	BULI	0	0	0	0	0	1	0
	Jay, Blue	*Cyanocitta cristata*	CYCR	4	0	4	1	1	2	0
	Killdeer	*Charadrius vociferus*	CHVO	3	0	0	0	0	0	0
	Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	0	0	0	0	1	0	0
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	1	0	1	0	0
	Oriole, Northern	*Icterus galbula*	ICGA	2	4	1	2	1	2	3
	Ovenbird	*Seiurus aurocapillus*	SEAU	4	4	2	4	1	2	1
	Pewee, Eastern Wood	*Contopus virens*	COVI1	0	0	0	0	1	1	0

Plotid	Common Name	Scientific Name	Vertid	1991	1992	1993	1994	1995	1996	1997
	Phoebe, Eastern	*Sayornis phoebe*	SAPH	10	1	1	1	1	0	0
	Robin, American	*Turdus migratorius*	TUMI	4	1	1	0	1	0	0
	Sparrow, Chipping	*Spizella passerina*	SPPA2	0	1	0	0	1	1	0
	Sparrow, Field	*Spizella pusilla*	SPPU1	0	1	0	1	1	1	0
	Tanager, Scarlet	*Piranga olivacea*	PIOL	3	0	1	0	3	2	1
	Thrush, Hermit	*Catharus guttatus*	CAGU	0	0	0	1	0	2	0
	Thrush, Wood	*Hylocichla mustelina*	HYMU	1	3	2	0	1	1	1
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	1	2	1	1	0	1	0
	Turkey, Wild	*Meleagris gallopavo*	MEGA	0	0	0	1	0	0	2
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	0	1	0	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	0	2	3	2	4	2	4
	Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	1	0	0	0	0	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	2	1	4	2	1	1	1
	Warbler, Blue-winged	*Vermivora pinus*	VEPI	0	1	0	0	0	0	0
	Warbler, Prairie	*Dendroica discolor*	DEDI	0	0	0	0	1	1	1
	Warbler, Worm-eating	*Helmitheroe vermivorus*	HEVE	1	0	2	0	0	0	0
	Waxwing, Cedar	*Bombycillidae cedrorum*	BOCE	0	1	0	0	0	0	0
	Woodpecker, Downy	*Picoides pubescens*	PIPU	0	0	0	0	1	0	0
	Woodpecker, Hairy	*Picoides villosus*	PIVI	0	0	0	0	0	1	0
	Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	1	0	0	0	0	0	0
	Yellowthroat, Common	*Geothlypis trichas*	GETR	0	2	0	1	0	0	0
30	Cowbird, Brown-headed	*Molothrus ater*	MOAT	0	2	0	1	4	1	3
	Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	0	0	0	0	0	0	1
	Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	0	0	0	0	1	0	0
	Flicker, Northern	*Colaptes auratus*	COAU	2	0	1	2	3	1	2
	Flycatcher, Great Crested	*Myiarchus crinitus*	MYCR	0	0	1	1	1	1	1
	Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	3	1	0	1	2	1	3
	Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	0	1	0	0	0	0	1
	Jay, Blue	*Cyanocitta cristata*	CYCR	1	0	1	2	1	3	1
	Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	0	0	3	3	1	1	0
	Oriole, Northern	*Icterus galbula*	ICGA	0	0	0	1	0	2	2
	Ovenbird	*Seiurus aurocapillus*	SEAU	0	2	0	0	0	2	1
	Owl, Barred	*Strix varia*	STVA	0	1	0	0	0	0	0
	Owl, Eastern Screech	*Otus asio*	OTAS	0	0	1	0	0	0	0
	Parula, Northern	*Parula americana*	PAAM	0	1	0	0	0	0	0
	Pewee, Eastern Wood	*Contopus virens*	COVI1	5	1	3	3	2	4	4
	Redstart, American	*Setophaga ruticilla*	SERU1	7	1	0	1	3	1	1
	Robin, American	*Turdus migratorius*	TUMI	5	3	2	1	4	3	1
	Tanager, Scarlet	*Piranga olivacea*	PIOL	2	2	1	3	3	1	2
	Thrush, Wood	*Hylocichla mustelina*	HYMU	11	4	2	4	4	3	4
	Titmouse, Tufted	*Parus bicolor*	PABI	0	0	0	0	1	1	0
	Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	0	1	0	0	0	0	0
	Veery	*Catharus fuscescens*	CAFU2	0	0	0	1	0	1	0
	Vireo, Red-eyed	*Vireo olivaceus*	VIOL	9	4	6	5	2	5	5
	Vireo, Solitary	*Vireo solitarius*	VISO	1	0	0	0	0	0	0
	Warbler, Black-and-white	*Mniotilta varia*	MNVA	0	0	0	0	1	0	0
	Warbler, Black-throated Green	*Dendroica virens*	DEVI	0	0	0	0	0	0	1
	Warbler, Blackpoll	*Dendroica striata*	DEST	2	0	0	0	0	0	0
	Warbler, Cerulean	*Dendroica cerulea*	DECE	1	1	1	1	0	0	0
	Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	0	1	1	1	0	0	0
	Waterthrush, Northern	*Seiurus noveboracensis*	SENO	0	1	0	0	0	0	0

Appendix D: Guild Associations for Each West Point Bird Species

Table D. Guild association for each West Point bird species.

COMMON NAME	SCIENTIFIC NAME	LCTA CODE	NEO STATUS	NEST LOCATION	NEST TYPE	FOOD TYPE	SUBSTRATE	TECHNIQUE	GENERAL HABITAT
Bittern, American	*Botaurus lentiginosus*	BOLE	R	Ground	Platform	Fish	Water	Ambusher	Swamp/Marsh
Blackbird, Red-winged	*Agelaius phoeniceus*	AGPH	B	Reed	Cup	Insects	Ground	Ground Gleaner	Swamp/Marsh
Bluebird, Eastern	*Sialia sialis*	SISI	B	Snag	Cavity	Insects	Air	Hawker	Forest Edge
Bunting, Indigo	*Passerina cyanea*	PACY	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Forest Edge
Cardinal, Northern	*Cardinalis cardinalis*	CACA4	R	Shrub	Cup	Insects	Ground	Ground Gleaner	Shrubland
Catbird, Gray	*Dumetella carolinensis*	DUCA	A	Shrub	Cup	Insects	Ground	Ground Gleaner	Shrubland
Chickadee, Black-capped	*Parus atricapillus*	PAAT	R	Woody Lower Canopy	Cavity	Insects	Foliage	Foliage Gleaner	Forest
Cowbird, Brown-headed	*Molothrus ater*	MOAT	B	Woody Upper Canopy	Parasitic	Insects	Ground	Ground Gleaner	Forest Edge
Creeper, Brown	*Certhia americana*	CEAM	B	Woody Upper Canopy	Cup	Insects	Bark	Bark Gleaner	Forest
Crow, American	*Corvus brachyrhynchos*	COBR1	R	Woody Upper Canopy	Cup	Insects	Ground	Scavenger	Forest
Cuckoo, Black-billed	*Coccyzus erythropthalmus*	COER	A	Woody Lower Canopy	Platform	Insects	Foliage	Scavenger	Forest
Cuckoo, Yellow-billed	*Coccyzus americanus*	COAM	A	Woody Lower Canopy	Platform	Insects	Foliage	Foliage Gleaner	Forest
Dove, Mourning	*Zenaida macroura*	ZEMA	B	Woody Lower Canopy	Saucer	Seeds	Ground	Ground Gleaner	Forest Edge
Duck, American Black	*Anas rubripes*	ANRU	R	Ground	Scrape	Aquatic Inverts	Water	Dabbler	Swamp/Marsh
Duck, Wood	*Aix sponsa*	AISP	R	Snag	Cavity	Aquatic Inverts	Water	Dabbler	Swamp/Marsh
Finch, House	*Carpodacus mexicanus*	CAME2	R	Woody Upper Canopy	Cup	Seeds	Ground	Ground Gleaner	Shrubland
Flicker, Northern	*Colaptes auratus*	COAU	B	Snag	Cavity	Insects	Ground	Ground Gleaner	Forest
Flycatcher, Acadian	*Empidonax virescens*	EMVI	A	Woody Lower Canopy	Cup	Insects	Air	Hawker	Riparian
Flycatcher, Great-crested	*Myiarchus crinitus*	MYCR	A	Woody Upper Canopy	Cavity	Insects	Air	Hawker	Forest Edge
Flycatcher, Olive-sided	*Contopus borealis*	COBO	A	Woody Upper Canopy	Cup	Insects	Air	Hawker	Forest
Gnatcatcher, Blue-gray	*Polioptila caerulea*	POCA	A	Woody Lower Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Goldfinch, American	*Carduelis tristis*	CATR	B	Shrub	Cup	Seeds	Foliage	Foliage Gleaner	Grassland
Goose, Canada	*Branta canadensis*	BRCA1	R	Ground	Scrape	Greens	Water	Surface Dips	Swamp/Marsh
Grackle, Common	*Quiscalus quiscula*	QUQU	R	Woody Lower Canopy	Cup	Insects	Ground	Ground Gleaner	Grassland
Grosbeak, Rose-breasted	*Pheucticus ludovicianus*	PHLU	A	Woody Lower Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Grouse, Ruffed	*Bonasa umbellus*	BOUM	R	Ground	Scrape	Greens	Foliage	Foliage Browser	Forest
Hawk, Broad-winged	*Buteo platypterus*	BUPL	A	Woody Upper Canopy	Platform	Small Mammals	Ground	Swooper	Forest
Hawk, Cooper's	*Accipiter cooperii*	ACCO	B	Woody Upper Canopy	Platform	Birds	Air	Aerial Pursuit	Forest
Hawk, Red-shouldered	*Buteo lineatus*	BULI	B	Woody Upper Canopy	Platform	Small Mammals	Ground	Low Patrol	Riparian
Hawk, Red-tailed	*Buteo jamaicensis*	BUJA	B	Woody Upper Canopy	Platform	Small Mammals	Ground	High Patrol	Forest
Hawk, Sharp-shinned	*Accipiter striatus*	ACST	B	Woody Upper Canopy	Platform	Birds	Air	Aerial Pursuit	Forest
Heron, Green-backed	*Butorides striatus*	BUST	R	Woody Lower Canopy	Platform	Fish	Water	Ambusher	Swamp/Marsh
Jay, Blue	*Cyanocitta cristata*	CYCR	R	Woody Lower Canopy	Cup	Insects	Ground	Ground Gleaner	Forest
Junco, Dark-eyed	*Junco hyemalis*	JUHY	B	Ground	Cup	Seeds	Ground	Ground Gleaner	Forest

COMMON NAME	SCIENTIFIC NAME	LCTA CODE	NEO STATUS	NEST LOCATION	NEST TYPE	FOOD TYPE	SUBSTRATE	TECHNIQUE	GENERAL HABITAT
Kestrel, American	*Falco sparverius*	FASP	B	Snag	Cavity	Insects	Ground	Hover & Pounce	Grassland
Killdeer	*Charadrius vociferus*	CHVO	B	Ground	Scrape	Insects	Ground	Ground Gleaner	Shoreline
Kingbird, Eastern	*Tyrannus tyrannus*	TYTY	A	Woody Lower Canopy	Cup	Insects	Air	Hawker	Riparian
Mallard	*Anas platyrhynchos*	ANPL	R	Ground	Scrape	Seeds	Water	Dabbler	Freshwater
Mockingbird, Northern	*Mimus polyglottos*	MIPO	B	Shrub	Cup	Insects	Ground	Ground Gleaner	Shrubland
Nuthatch, White-breasted	*Sitta carolinensis*	SICA2	R	Woody Upper Canopy	Cavity	Insects	Bark	Bark Gleaner	Forest
Oriole, Northern	*Icterus galbula*	ICGA	A	Woody Upper Canopy	Pendant	Insects	Foliage	Foliage Gleaner	Forest Edge
Ovenbird	*Seiurus aurocapillus*	SEAU	A	Ground	Oven	Insects	Ground	Ground Gleaner	Forest
Owl, Barred	*Strix varia*	STVA	R	Snag	Cavity	Small Mammals	Ground	Low Patrol	Forest
Owl, Eastern Screech	*Otus asio*	OTAS	R	Snag	Cavity	Insects	Ground	Swooper	Forest
Owl, Long-eared	*Asio otus*	ASOT	B	Woody Upper Canopy	Abandoned	Small Mammals	Ground	Low Patrol	Forest
Parula, Northern	*Parula americana*	PAAM	A	Woody Upper Canopy	Pendant	Insects	Foliage	Foliage Gleaner	Forest
Pewee, Eastern Wood	*Contopus virens*	COVI1	A	Woody Upper Canopy	Cup	Insects	Air	Hawker	Forest
Phoebe, Eastern	*Sayornis phoebe*	SAPH	B	Man-made Structure	Cup	Insects	Air	Hawker	Riparian
Redstart, American	*Setophaga ruticilla*	SERU1	A	Woody Lower Canopy	Cup	Insects	Air	Hover Gleaner	Forest
Robin, American	*Turdus migratorius*	TUMI	B	Woody Lower Canopy	Cup	Insects	Ground	Ground Gleaner	Forest
Sparrow, Chipping	*Spizella passerina*	SPPA2	A	Woody Lower Canopy	Cup	Insects	Ground	Ground Gleaner	Forest
Sparrow, Field	*Spizella pusilla*	SPPU1	R	Ground	Cup	Insects	Ground	Ground Gleaner	Shrubland
Sparrow, Song	*Melospiza melodia*	MEME	B	Ground	Cup	Insects	Ground	Ground Gleaner	Riparian
Sparrow, Swamp	*Melospiza georgiana*	MEGE	B	Shrub	Cup	Insects	Ground	Ground Gleaner	Swamp/Marsh
Sparrow, White-throated	*Zonotrichia albicollis*	ZOAL	B	Ground	Cup	Insects	Ground	Ground Gleaner	Forest
Swallow, Barn	*Hirundo rustica*	HIRU	A	Man-made Structure	Cup	Insects	Air	Aerial Foraging	Freshwater
Swallow, Northern Rough-winged	*Stelgidopteryx serripennis*	STSE	A	Bank	Burrow	Insects	Air	Aerial Foraging	Freshwater
Swallow, Tree	*Tachycineta bicolor*	TABI	B	Snag	Cavity	Insects	Air	Aerial Foraging	Freshwater
Swift, Chimney	*Chaetura pelagica*	CHPE	A	Man-made Structure	Saucer	Insects	Air	Aerial Foraging	Forest
Tanager, Scarlet	*Piranga olivacea*	PIOL	A	Woody Upper Canopy	Saucer	Insects	Air	Hover Gleaner	Forest
Thrasher, Brown	*Toxostoma rufum*	TORU	R	Shrub	Cup	Insects	Ground	Ground Gleaner	Shrubland
Thrush, Gray-cheeked	*Catharus minimus*	CAMI2	A	Shrub	Cup	Insects	Ground	Ground Gleaner	Forest Edge
Thrush, Hermit	*Catharus guttatus*	CAGU	B	Ground	Cup	Insects	Ground	Ground Gleaner	Forest
Thrush, Swainson's	*Catharus ustulatus*	CAUS	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Forest
Thrush, Wood	*Hylocichla mustelina*	HYMU	A	Woody Upper Canopy	Cup	Insects	Ground	Ground Gleaner	Forest
Titmouse, Tufted	*Parus bicolor*	PABI	R	Woody Upper Canopy	Cavity	Insects	Foliage	Foliage Gleaner	Forest
Towhee, Rufous-sided	*Pipilo erythrophthalmus*	PIER	B	Ground	Cup	Insects	Ground	Ground Gleaner	Forest Edge
Turkey, Wild	*Meleagris gallopavo*	MEGA	R	Ground	Scrape	Seeds	Ground	Ground Gleaner	Forest
Veery	*Catharus fuscescens*	CAFU2	A	Ground	Cup	Insects	Ground	Ground Gleaner	Forest

COMMON NAME	SCIENTIFIC NAME	LCTA CODE	NEO STATUS	NEST LOCATION	NEST TYPE	FOOD TYPE	SUBSTRATE	TECHNIQUE	GENERAL HABITAT
Vireo, Red-eyed	*Vireo olivaceus*	VIOL	A	Shrub	Cup	Insects	Air	Hover Gleaner	Forest
Vireo, Solitary	*Vireo solitarius*	VISO	A	Woody Lower Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Vireo, Warbling	*Vireo gilvus*	VIGI	A	Woody Upper Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Vireo, Yellow-throated	*Vireo flavifrons*	VIFL	A	Woody Upper Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Warbler, Black-and-white	*Mniotilta varia*	MNVA	A	Ground	Cup	Insects	Bark	Bark Gleaner	Forest
Warbler, Blackburnian	*Dendroica fusca*	DEFU	A	Woody Upper Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Warbler, Blackpoll	*Dendroica striata*	DEST	A	Woody Lower Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Warbler, Black-throated Blue	*Dendroica caerulescens*	DECA1	A	Shrub	Cup	Insects	Air	Hover Gleaner	Forest
Warbler, Black-throated Green	*Dendroica virens*	DEVI	A	Woody Upper Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Warbler, Blue-winged	*Vermivora pinus*	VEPI	A	Ground	Cup	Insects	Foliage	Foliage Gleaner	Shrubland
Warbler, Canada	*Wilsonia canadensis*	WICA	A	Ground	Cup	Insects	Air	Hover Gleaner	Forest
Warbler, Cerulean	*Dendroica cerulea*	DECE	A	Woody Upper Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Warbler, Chestnut-sided	*Dendroica pensylvanica*	DEPE	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Shrubland
Warbler, Golden-winged	*Vermivora chrysoptera*	VECH	A	Ground	Cup	Insects	Foliage	Foliage Gleaner	Grassland
Warbler, Hooded	*Wilsonia citrina*	WICI	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Forest
Warbler, Pine	*Dendroica pinus*	DEPI	R	Woody Upper Canopy	Cup	Insects	Bark	Bark Gleaner	Forest
Warbler, Prairie	*Dendroica discolor*	DEDI	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Shrubland
Warbler, Worm-eating	*Helmitheros vermivorus*	HEVE	A	Ground	Cup	Insects	Foliage	Foliage Gleaner	Riparian
Warbler, Yellow	*Dendroica petechia*	DEPE1	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Riparian
Warbler, Yellow-rumped	*Dendroica coronata*	DECO	B	Woody Upper Canopy	Cup	Insects	Foliage	Foliage Gleaner	Forest
Waterthrush, Louisiana	*Seiurus motacilla*	SEMO	A	Ground	Cup	Aquatic Inverts	Ground	Ground Gleaner	Riparian
Waterthrush, Northern	*Seiurus noveboracensis*	SENO	A	Ground	Cup	Aquatic Inverts	Ground	Ground Gleaner	Swamp/Marsh
Wàxwing, Cedar	*Bombycilla cedrorum*	BOCE	B	Woody Upper Canopy	Cup	Fruit	Foliage	Foliage Gleaner	Forest
Woodpecker, Downy	*Picoides pubescens*	PIPU	R	Snag	Cavity	Insects	Bark	Bark Gleaner	Forest
Woodpecker, Hairy	*Picoides villosus*	PIVI	R	Woody Upper Canopy	Cavity	Insects	Bark	Bark Gleaner	Forest
Woodpecker, Pileated	*Dryocopus pileatus*	DRPI	R	Snag	Cavity	Insects	Bark	Bark Gleaner	Forest
Woodpecker, Red-bellied	*Melanerpes carolinus*	MECA	R	Snag	Cavity	Insects	Bark	Bark Gleaner	Forest
Wren, Carolina	*Thryothorus ludovicianus*	THLU	R	Woody Lower Canopy	Cavity	Insects	Ground	Ground Gleaner	Forest
Wren, House	*Troglodytes aedon*	TRAE	A	Woody Lower Canopy	Cavity	Insects	Ground	Ground Gleaner	Forest
Wren, Winter	*Troglodytes troglodytes*	TRTR	R	Snag	Cavity	Insects	Ground	Ground Gleaner	Forest
Yellowthroat, Common	*Geothlypis trichas*	GETR	A	Shrub	Cup	Insects	Foliage	Foliage Gleaner	Forest Edge

Appendix E: West Point Summary Information

Table E1. General information for West Point bird data (1991-1997).

Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds
34	34	34	122	105	89	8,122	7,398	724

Table E2. Installation information for West Point by year.

Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
1991	34	34	22	71	64	36	1,618	1,558	60	47.59	45.82	1.76
1992	34	34	25	75	61	48	1,329	1,221	108	38.21	35.09	3.12
1993	34	34	25	78	69	37	951	864	87	27.09	24.53	2.56
1994	34	34	26	73	62	52	1,062	929	133	30.65	26.79	3.85
1995	34	34	12	74	66	18	1,169	967	202	33.21	27.26	5.94
1996	34	34	13	66	63	9	907	880	27	25.85	25.06	0.79
1997	34	34	12	74	71	8	1,086	979	107	31.41	28.26	3.15

Table E3. Installation information for West Point by period.

Year	Period	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
1991	AM	33	33	11	65	59	23	900	869	31	27.27	26.33	0.94
	PM	33	33	14	55	48	19	663	641	22	20.09	19.42	0.67
1992	AM	33	33	17	70	57	37	773	709	64	23.03	21.15	1.88
	PM	33	33	15	59	50	23	516	482	34	15.15	14.12	1.03
1993	AM	33	33	18	64	58	21	473	434	39	14.09	12.91	1.18
	PM	33	33	20	63	58	22	443	400	43	12.82	11.52	1.30
1994	AM	32	32	20	67	57	39	579	504	75	17.66	15.34	2.31
	PM	33	33	16	57	51	26	437	395	42	13.06	11.82	1.24
1995	AM	33	33	6	64	61	10	564	522	42	16.36	15.09	1.27
	PM	33	33	7	63	57	8	571	413	158	16.82	12.03	4.79
1996	AM	33	33	7	60	57	8	532	512	20	15.55	14.94	0.61
	PM	33	33	6	52	50	4	349	343	6	10.30	10.12	0.18
1997	AM	33	33	9	67	63	8	633	531	102	18.94	15.85	3.09
	PM	33	33	5	60	59	3	418	413	5	12.39	12.24	0.15

Table E4. Installation information for West Point by transect.

Year	Transect	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
1991	Line Out	34	34	0	51	51	0	558	558	0	16.41	16.41	0
	End Point	34	34	0	52	52	0	476	476	0	14.00	14.00	0
	Line In	34	34	0	59	59	0	524	524	0	15.41	15.41	0
1992	Line Out	34	34	0	53	53	0	488	488	0	14.24	14.24	0
	End Point	34	34	0	48	48	0	400	400	0	11.41	11.41	0
	Line In	34	34	0	54	54	0	333	333	0	9.44	9.44	0
1993	Line Out	34	34	0	52	52	0	403	403	0	11.59	11.59	0
	End Point	34	34	0	55	55	0	302	302	0	8.35	8.35	0
	Line In	34	34	0	47	47	0	159	159	0	4.59	4.59	0
1994	Line Out	34	34	0	52	52	0	450	450	0	13.12	13.12	0
	End Point	34	34	0	51	51	0	328	328	0	9.35	9.35	0
	Line In	34	33	0	44	44	0	151	151	0	4.32	4.32	0
1995	Line Out	34	34	0	59	59	0	497	497	0	14.12	14.12	0
	End Point	34	34	0	55	55	0	302	302	0	8.38	8.38	0
	Line In	34	34	0	48	48	0	168	168	0	4.76	4.76	0
1996	Line Out	34	34	0	50	50	0	432	432	0	12.41	12.41	0
	End Point	34	34	0	49	49	0	268	268	0	7.47	7.47	0
	Line In	34	34	0	46	46	0	180	180	0	5.18	5.18	0
1997	Line Out	34	34	0	57	57	0	552	552	0	16.00	16.00	0
	End Point	34	33	0	58	58	0	287	287	0	8.24	8.24	0
	Line In	34	34	0	40	40	0	139	139	0	4.00	4.00	0

Table E5. Installation information for West Point by mated status.

Mated Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
Singing Male	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	34	21	62	56	34	1,024	965	59	30.12	28.38	1.74
	1993	34	34	23	69	63	30	766	713	53	22.53	20.97	1.56
	1994	34	34	25	67	57	49	882	771	111	25.94	22.68	3.26
	1995	34	34	7	65	64	8	801	791	10	23.56	23.26	0.29
	1996	34	34	5	62	61	3	760	755	5	22.35	22.21	0.15
	1997	34	34	3	69	69	2	858	855	3	25.24	25.15	0.09
Female Only	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	2	0	2	2	0	2	2	0	0.06	0.06	0
	1993	34	12	0	10	10	0	15	15	0	0.44	0.44	0
	1994	34	7	0	8	8	0	10	10	0	0.29	0.29	0
	1995	34	9	0	8	8	0	12	12	0	0.35	0.35	0
	1996	34	2	1	3	2	1	3	2	1	0.09	0.06	0.03
	1997	34	8	0	7	7	0	11	11	0	0.32	0.32	0
Flock	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	0	2	1	0	1	7	0	7	0.21	0	0.21
	1993	34	0	1	1	0	1	7	0	7	0.21	0	0.21
	1994	34	1	2	3	2	1	21	11	10	0.62	0.3	0.29
	1995	34	0	5	4	0	4	185	0	185	5.44	0	5.44
	1996	34	0	0	0	0	0	0	0	0	0	0	0
	1997	34	1	2	3	1	2	98	12	86	2.88	0.35	2.53
Nonsinging Male	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	3	1	4	3	1	4	3	1	0.12	0.09	0.03
	1993	34	4	0	4	4	0	5	5	0	0.15	0.15	0
	1994	34	11	0	8	8	0	13	13	0	0.38	0.38	0
	1995	34	3	0	3	3	0	3	3	0	0.09	0.09	0
	1996	34	3	0	4	4	0	4	4	0	0.12	0.12	0
	1997	34	6	0	6	6	0	8	8	0	0.24	0.24	0
Not Recorded	1991	34	34	22	71	64	36	1,618	1,558	60	47.59	45.82	1.76
	1992	34	1	0	1	1	0	1	1	0	0	0	0
	1993	34	0	0	0	0	0	0	0	0	0	0	0
	1994	34	0	0	0	0	0	0	0	0	0	0	0
	1995	34	0	0	0	0	0	0	0	0	0	0	0
	1996	34	1	0	1	1	0	1	1	0	0	0	0
	1997	34	3	0	7	3	0	3	3	0	0.09	0.09	0
Adult Male/Female	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	18	2	17	15	2	30	28	2	0.88	0.82	0.06
	1993	34	17	0	22	22	0	30	30	0	0.88	0.88	0
	1994	34	15	2	15	14	2	20	18	2	0.59	0.53	0.06
	1995	34	19	0	21	21	0	40	40	0	1.18	1.18	0
	1996	34	18	0	13	13	0	28	28	0	0.82	0.82	0
	1997	34	16	0	12	12	0	18	18	0	0.53	0.53	0
Unknown Sex	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	31	17	45	37	17	229	192	37	6.74	5.65	1.09
	1993	34	25	11	32	24	13	98	71	27	2.88	2.09	0.79
	1994	34	27	4	31	27	4	96	88	8	2.82	2.59	0.24
	1995	34	32	7	32	27	6	88	81	7	2.59	2.38	0.21
	1996	34	22	10	21	19	5	77	62	15	2.26	1.82	0.44
	1997	34	22	8	24	20	5	72	54	18	2.12	1.59	0.53

Installation Summary

Mated Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
Young of the Year	1991	34	0	0	0	0	0	0	0	0	0	0	0
	1992	34	1	0	1	1	0	2	2	0	0.06	0.06	0
	1993	34	0	0	0	0	0	0	0	0	0	0	0
	1994	34	0	0	0	0	0	0	0	0	0	0	0
	1995	34	0	0	0	0	0	0	0	0	0	0	0
	1996	34	0	1	1	0	1	6	0	6	0.18	0	0.18
	1997	34	0	0	0	0	0	0	0	0	0	0	0

Appendix F: West Point Summary Information by Vegetation Type

Table F1. Vegetation types for West Point LCTA bird plots that were used in the analyses.

Plot	Vegetation Type
2	Burn Barren & Appalachian Oak-Hickory (50/50)
3	Chestnut Oak Forest
4	Appalachian Oak-Hickory
5	Oak-Tulip Tree Forest
6	Appalachian Oak-Pine Forest
7	Appalachian Oak-Hickory
8	Hemlock-Northern Hardwood Forest
9	Appalachian Oak-Hickory
10	Appalachian Oak-Hickory
11	Successional Hardwoods
12	Rich Rocky Woodlands
13	Appalachian Oak-Hickory
14	Rich Rocky Woodlands
15	Rocky Summit Grassland
16	Appalachian Oak-Hickory
17	Chestnut Oak Forest
18	Burn Barren
19	Appalachian Oak-Hickory
20	Appalachian Oak-Hickory
21	Appalachian Oak-Hickory
22	Chestnut Oak Forest
23	Chestnut Oak Forest
24	Chestnut Oak Forest
25	Burn Barren
26	Maple Beech Mesic
27	Chestnut Oak Forest
28	Chestnut Oak Forest
29	Appalachian Oak-Hickory
30	Appalachian Oak-Hickory
31	Maple Beech Mesic
32	Appalachian Oak-Hickory
33	Oak-Tulip Tree Forest
34	Appalachian Oak-Hickory
35	Appalachian Oak-Hickory

Table F2. Installation summary for West Point by vegetation type.

Vegetation Type	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds
BURN BARREN	2	2	2	48	46	5	499	494	5
BURN BARREN/OAK-HICKORY	1	1	1	50	41	20	272	230	42
CHESTNUT OAK	7	7	7	76	69	33	1,500	1,274	226
HEMLOCK-NORTHERN HARDWOOD	1	1	1	42	39	4	201	197	4
MAPLE BEECH MESIC	2	2	2	52	43	16	536	513	23
OAK-HICKORY	14	14	14	92	87	56	3,327	3,069	258
OAK-PINE	1	1	1	36	33	8	200	191	9
OAK-TULIP TREE	2	2	2	53	47	19	522	501	21
RICH ROCKY WOODLANDS	2	2	2	51	46	12	492	395	97
ROCKY SUMMIT GRASSLAND	1	1	1	40	38	9	247	236	11
SUCCESSIONAL HARDWOODS	1	1	1	47	41	18	326	298	28

Table F3. Vegetation types for West Point by year.

Vegetation Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	1991	2	2	1	22	21	1	96	95	1	48.00	47.50	0.50
	1992	2	2	1	28	28	2	85	83	2	42.00	41.00	1.00
	1993	2	2	0	26	26	0	68	68	0	33.50	33.50	0
	1994	2	2	1	26	25	1	62	61	1	29.50	29.00	0.50
	1995	2	2	1	30	29	1	71	70	1	34.50	34.00	0.50
	1996	2	2	0	18	18	0	53	53	0	26.00	26.00	0
	1997	2	2	0	26	26	0	64	64	0	31.00	31.00	0
BURN BARREN/OAK-HICKORY	1991	1	1	1	24	18	6	87	80	7	87.00	80.00	7.00
	1992	1	1	1	20	17	6	42	35	7	42.00	35.00	7.00
	1993	1	1	1	17	15	2	24	22	2	24.00	22.00	2.00
	1994	1	1	1	16	11	7	25	17	8	24.00	16.00	8.00
	1995	1	1	1	16	16	1	26	25	1	23.00	22.00	1.00
	1996	1	1	1	23	21	2	34	30	4	34.00	30.00	4.00
	1997	1	1	1	16	14	2	34	21	13	34.00	21.00	13.00
CHESTNUT OAK	1991	7	7	4	37	32	10	257	244	13	36.71	34.86	1.86
	1992	7	7	4	42	39	12	257	243	14	36.14	34.14	2.00
	1993	7	7	6	37	31	10	169	147	22	23.57	20.43	3.14
	1994	7	7	3	41	34	11	177	159	18	25.14	22.57	2.57
	1995	7	7	3	41	36	5	302	148	154	43.14	21.14	22.00
	1996	7	7	2	42	40	2	166	164	2	23.29	23.00	0.29
	1997	7	7	2	42	41	2	172	169	3	23.86	23.43	0.43
HEMLOCK-NORTHERN	1991	1	1	0	18	18	0	38	38	0	38.00	38.00	0
HARDWOOD	1992	1	1	0	16	16	0	24	24	0	24.00	24.00	0
	1993	1	1	0	15	15	0	23	23	0	21.00	21.00	0
	1994	1	1	1	15	14	1	31	30	1	30.00	29.00	1.00
	1995	1	1	1	22	20	2	38	36	2	35.00	33.00	2.00
	1996	1	1	1	14	13	1	23	22	1	21.00	20.00	1.00
	1997	1	1	0	16	15	0	24	24	0	23.00	23.00	0
MAPLE BEECH MESIC	1991	2	2	1	25	23	2	123	121	2	61.50	60.50	1.00
	1992	2	2	2	27	22	6	77	71	6	36.50	33.50	3.00
	1993	2	2	2	23	21	4	70	66	4	33.50	31.50	2.00
	1994	2	2	1	21	20	1	69	68	1	33.50	33.00	0.50
	1995	2	2	0	24	24	0	59	59	0	28.50	28.50	0
	1996	2	2	1	25	23	2	68	60	8	33.00	29.00	4.00
	1997	2	2	2	27	26	2	70	68	2	34.50	33.50	1.00
OAK-HICKORY	1991	14	14	10	56	52	20	675	650	25	48.21	46.43	1.79
	1992	14	14	12	56	49	32	563	502	61	39.07	34.79	4.29
	1993	14	14	11	53	49	23	392	351	41	27.00	24.07	2.93
	1994	14	14	12	57	50	34	449	384	65	31.50	26.93	4.57
	1995	14	14	5	63	57	10	445	402	43	30.64	27.57	3.07
	1996	14	14	7	55	52	6	385	374	11	26.29	25.50	0.79
	1997	14	14	4	58	57	5	418	406	12	29.43	28.57	0.86
OAK-PINE	1991	1	1	0	15	15	0	31	31	0	31.00	31.00	0
	1992	1	1	1	21	19	2	37	35	2	36.00	34.00	2.00
	1993	1	1	1	12	9	3	21	17	4	21.00	17.00	4.00
	1994	1	1	1	17	15	3	27	24	3	26.00	23.00	3.00
	1995	1	1	0	14	14	0	29	29	0	24.00	24.00	0
	1996	1	1	0	12	12	0	25	25	0	24.00	24.00	0
	1997	1	1	0	15	15	0	30	30	0	30.00	30.00	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
OAK-TULIP TREE	1991	2	2	1	23	23	2	117	115	2	58.50	57.50	1.00
	1992	2	2	1	26	23	4	70	66	4	34.50	32.50	2.00
	1993	2	2	1	29	27	2	72	70	2	35.50	34.50	1.00
	1994	2	2	2	29	26	11	78	67	11	38.50	33.00	5.50
	1995	2	2	0	29	29	0	66	66	0	33.00	33.00	0
	1996	2	2	1	23	22	1	47	46	1	23.50	23.00	0.50
	1997	2	2	1	31	30	1	72	71	1	35.00	34.50	0.50
RICH ROCKY WOODLANDS	1991	2	2	2	26	24	3	89	85	4	44.50	42.50	2.00
	1992	2	2	1	31	30	1	79	78	1	39.00	38.50	0.50
	1993	2	2	1	12	12	1	36	35	1	17.00	16.50	0.50
	1994	2	2	2	22	20	5	63	48	15	31.00	24.00	7.00
	1995	2	2	1	27	26	1	66	65	1	31.00	30.50	0.50
	1996	2	2	0	18	18	0	43	43	0	21.00	21.00	0
	1997	2	2	1	23	22	1	116	41	75	58.00	20.50	37.50
ROCKY SUMMIT GRASSLAND	1991	1	1	1	18	17	1	44	43	1	44.00	43.00	1.00
	1992	1	1	1	20	19	1	33	32	1	33.00	32.00	1.00
	1993	1	1	1	20	17	5	42	37	5	39.00	34.00	5.00
	1994	1	1	1	19	17	3	38	35	3	38.00	35.00	3.00
	1995	1	1	0	16	16	0	29	29	0	26.00	26.00	0
	1996	1	1	0	13	13	0	25	25	0	25.00	25.00	0
	1997	1	1	1	17	17	1	36	35	1	36.00	35.00	1.00
SUCCESSIONAL HARDWOODS	1991	1	1	1	19	16	5	61	56	5	61.00	56.00	5.00
	1992	1	1	1	23	19	6	62	52	10	60.00	51.00	9.00
	1993	1	1	1	20	16	4	34	28	6	34.00	28.00	6.00
	1994	1	1	1	24	20	5	43	36	7	42.00	35.00	7.00
	1995	1	1	0	21	21	0	38	38	0	36.00	36.00	0
	1996	1	1	0	23	23	0	38	38	0	37.00	37.00	0
	1997	1	1	0	28	28	0	50	50	0	49.00	49.00	0

Table F4. Vegetation types for West Point by period.

Vegetation Type	Year	Period	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	1991	AM	2	2	0	16	16	0	58	58	0	29.00	29.00	0
		PM	2	2	1	14	13	1	38	37	1	19.00	18.50	0.50
	1992	AM	2	2	1	23	22	2	53	51	2	26.00	25.00	1.00
		PM	2	2	0	19	19	0	32	32	0	16.00	16.00	0
	1993	AM	2	2	0	23	23	0	42	42	0	20.50	20.50	0
		PM	2	2	0	15	15	0	26	26	0	13.00	13.00	0
	1994	AM	2	2	1	21	20	1	34	33	1	15.50	15.00	0.50
		PM	2	2	0	19	19	0	28	28	0	14.00	14.00	0
	1995	AM	2	2	0	25	25	0	37	37	0	18.50	18.50	0
		PM	2	2	1	21	20	1	34	33	1	16.00	15.50	0.50
	1996	AM	2	2	0	15	15	0	30	30	0	15.00	15.00	0
		PM	2	2	0	12	12	0	23	23	0	11.00	11.00	0
	1997	AM	2	2	0	21	21	0	36	36	0	18.00	18.00	0
		PM	2	2	0	17	17	0	28	28	0	13.00	13.00	0
BURN BARREN/	1991	AM	1	1	1	18	15	3	65	61	4	65.00	61.00	4.00
OAK-HICKORY		PM	1	1	1	13	10	3	22	19	3	22.00	19.00	3.00
	1992	AM	1	1	1	15	12	3	22	18	4	22.00	18.00	4.00
		PM	1	1	1	15	12	3	20	17	3	20.00	17.00	3.00
	1993	AM	1	1	0	10	10	0	12	12	0	12.00	12.00	0
		PM	1	1	1	10	8	2	12	10	2	12.00	10.00	2.00
	1994	AM	1	1	1	10	7	4	16	12	4	15.00	11.00	4.00
		PM	1	1	1	9	5	4	9	5	4	9.00	5.00	4.00
	1995	AM	1	1	0	12	12	0	14	14	0	12.00	12.00	0
		PM	1	1	1	9	8	1	12	11	1	11.00	10.00	1.00
	1996	AM	1	1	1	21	19	2	28	24	4	28.00	24.00	4.00
		PM	1	1	0	6	6	0	6	6	0	6.00	6.00	0
	1997	AM	1	1	1	15	13	2	26	14	12	26.00	14.00	12.00
		PM	1	1	1	7	6	1	8	7	1	8.00	7.00	1.00
CHESTNUT OAK	1991	AM	6	6	2	25	24	4	113	109	4	18.83	18.17	0.67
		PM	6	6	1	19	18	2	89	87	2	14.83	14.50	0.33
	1992	AM	6	6	2	31	31	2	130	128	2	21.33	21.00	0.33
		PM	6	6	2	28	27	2	87	85	2	14.33	14.00	0.33
	1993	AM	6	6	3	25	21	4	65	60	5	10.67	9.83	0.83
		PM	6	6	5	26	23	4	69	57	12	11.33	9.33	2.00
	1994	AM	6	6	1	27	26	1	75	74	1	12.33	12.17	0.17
		PM	6	6	1	21	20	1	56	55	1	9.33	9.17	0.17
	1995	AM	6	6	0	25	25	0	62	62	0	10.33	10.33	0
		PM	6	6	2	27	24	3	206	54	152	34.33	9.00	25.33
	1996	AM	6	6	0	34	34	0	88	88	0	14.33	14.33	0
		PM	6	6	1	25	24	1	52	51	1	8.50	8.33	0.17
	1997	AM	6	6	1	33	32	1	83	81	2	13.50	13.17	0.33
		PM	6	6	1	21	20	1	54	53	1	8.67	8.50	0.17
HEMLOCK-NORTHERN	1991	AM	1	1	0	14	14	0	28	28	0	28.00	28.00	0
HARDWOOD		PM	1	1	0	7	7	0	10	10	0	10.00	10.00	0
	1992	AM	1	1	0	12	12	0	14	14	0	14.00	14.00	0
		PM	1	1	0	9	9	0	10	10	0	10.00	10.00	0
	1993	AM	1	1	0	8	8	0	9	9	0	9.00	9.00	0
		PM	1	1	0	12	12	0	14	14	0	12.00	12.00	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Period	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	1994	AM	1	1	0	12	12	0	22	22	0	22.00	22.00	0
		PM	1	1	1	8	7	1	9	8	1	8.00	7.00	1.00
	1995	AM	1	1	1	16	15	1	21	20	1	21.00	20.00	1.00
		PM	1	1	1	12	11	1	17	16	1	14.00	13.00	1.00
	1996	AM	1	1	0	10	10	0	15	15	0	14.00	14.00	0
		PM	1	1	1	6	5	1	8	7	1	7.00	6.00	1.00
	1997	AM	1	1	0	12	11	0	13	13	0	12.00	12.00	0
		PM	1	1	0	8	8	0	11	11	0	11.00	11.00	0
MAPLE BEECH MESIC	1991	AM	2	2	1	21	20	1	65	64	1	32.50	32.00	0.50
		PM	2	2	1	16	15	1	58	57	1	29.00	28.50	0.50
	1992	AM	2	2	1	20	17	3	45	42	3	21.00	19.50	1.50
		PM	2	2	2	18	15	3	32	29	3	15.50	14.00	1.50
	1993	AM	2	2	1	15	14	1	37	36	1	18.50	18.00	0.50
		PM	2	2	2	20	18	3	33	30	3	15.00	13.50	1.50
	1994	AM	2	2	1	19	18	1	40	39	1	19.50	19.00	0.50
		PM	2	2	0	13	13	0	29	29	0	14.00	14.00	0
	1995	AM	2	2	0	18	18	0	30	30	0	14.50	14.50	0
		PM	2	2	0	19	19	0	29	29	0	14.00	14.00	0
	1996	AM	2	2	1	21	19	2	40	32	8	19.50	15.50	4.00
		PM	2	2	0	16	16	0	28	28	0	13.50	13.50	0
	1997	AM	2	2	1	26	25	1	39	38	1	19.00	18.50	0.50
		PM	2	2	1	13	12	1	31	30	1	15.50	15.00	0.50
OAK-HICKORY	1991	AM	14	14	5	46	43	13	354	338	16	25.29	24.14	1.14
		PM	14	14	6	42	40	8	321	312	9	22.93	22.29	0.64
	1992	AM	14	14	8	51	42	23	330	292	38	23.14	20.50	2.64
		PM	14	14	8	44	36	16	233	210	23	15.93	14.29	1.64
	1993	AM	14	14	10	47	43	16	203	176	27	14.21	12.29	1.93
		PM	14	14	8	39	37	10	189	175	14	12.79	11.79	1.00
	1994	AM	13	13	10	55	48	27	259	211	48	19.54	15.92	3.62
		PM	14	14	7	39	35	14	190	173	17	13.36	12.14	1.21
	1995	AM	14	14	5	57	51	9	275	234	41	18.79	15.86	2.93
		PM	14	14	1	43	42	1	170	168	2	11.86	11.71	0.14
	1996	AM	14	14	4	47	45	4	220	213	7	14.79	14.29	0.50
		PM	14	14	4	41	38	4	165	161	4	11.50	11.21	0.29
	1997	AM	14	14	4	48	44	5	224	213	11	15.79	15.00	0.79
		PM	14	14	1	49	48	1	194	193	1	13.64	13.57	0.07
OAK-PINE	1991	AM	1	1	0	14	14	0	28	28	0	28.00	28.00	0
		PM	1	1	0	3	3	0	3	3	0	3.00	3.00	0
	1992	AM	1	1	1	17	15	2	28	26	2	28.00	26.00	2.00
		PM	1	1	0	7	7	0	9	9	0	8.00	8.00	0
	1993	AM	1	1	1	11	9	2	14	12	2	14.00	12.00	2.00
		PM	1	1	1	6	5	1	7	5	2	7.00	5.00	2.00
	1994	AM	1	1	1	15	14	2	17	15	2	16.00	14.00	2.00
		PM	1	1	1	9	8	1	10	9	1	10.00	9.00	1.00
	1995	AM	1	1	0	10	10	0	14	14	0	12.00	12.00	0
		PM	1	1	0	12	12	0	15	15	0	12.00	12.00	0
	1996	AM	1	1	0	10	10	0	18	18	0	18.00	18.00	0
		PM	1	1	0	6	6	0	7	7	0	6.00	6.00	0
	1997	AM	1	1	0	14	14	0	19	19	0	19.00	19.00	0
		PM	1	1	0	8	8	0	11	11	0	11.00	11.00	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Period	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
OAK-TULIP TREE	1991	AM	2	2	0	19	19	0	64	64	0	32.00	32.00	0
		PM	2	2	1	16	16	2	53	51	2	26.50	25.50	1.00
	1992	AM	2	2	1	23	20	4	36	32	4	18.00	16.00	2.00
		PM	2	2	0	19	19	0	34	34	0	16.50	16.50	0
	1993	AM	2	2	0	22	22	0	39	39	0	19.50	19.50	0
		PM	2	2	1	21	19	2	33	31	2	16.00	15.00	1.00
	1994	AM	2	2	1	23	22	2	37	35	2	18.00	17.00	1.00
		PM	2	2	2	21	16	9	41	32	9	20.50	16.00	4.50
	1995	AM	2	2	0	25	25	0	35	35	0	17.50	17.50	0
		PM	2	2	0	23	23	0	31	31	0	15.50	15.50	0
	1996	AM	2	2	1	18	17	1	27	26	1	13.50	13.00	0.50
		PM	2	2	0	14	14	0	20	20	0	10.00	10.00	0
	1997	AM	2	2	0	27	27	0	44	44	0	21.50	21.50	0
		PM	2	2	1	18	17	1	28	27	1	13.50	13.00	0.50
RICH ROCKY WOODLANDS	1991	AM	2	2	1	23	22	1	63	62	1	31.50	31.00	0.50
		PM	2	2	2	15	12	3	26	23	3	13.00	11.50	1.50
	1992	AM	2	2	0	27	27	0	43	43	0	21.50	21.50	0
		PM	2	2	1	18	17	1	36	35	1	17.50	17.00	0.50
	1993	AM	2	2	1	9	9	1	17	16	1	8.00	7.50	0.50
		PM	2	2	0	10	10	0	19	19	0	9.00	9.00	0
	1994	AM	2	2	2	21	19	2	42	31	11	21.00	15.50	5.50
		PM	2	2	1	14	11	3	21	17	4	10.00	8.50	1.50
	1995	AM	2	2	0	21	21	0	39	39	0	18.00	18.00	0
		PM	2	2	1	17	16	1	27	26	1	13.00	12.50	0.50
	1996	AM	2	2	0	16	16	0	28	28	0	13.50	13.50	0
		PM	2	2	0	10	10	0	15	15	0	7.50	7.50	0
	1997	AM	2	2	1	20	19	1	101	26	75	50.50	13.00	37.50
		PM	2	2	0	11	10	0	15	15	0	7.50	7.50	0
ROCKY SUMMIT GRASSLAND	1991	AM	1	1	0	13	13	0	28	28	0	28.00	28.00	0
		PM	1	1	1	9	8	1	16	15	1	16.00	15.00	1.00
	1992	AM	1	1	1	19	18	1	25	24	1	25.00	24.00	1.00
		PM	1	1	0	8	8	0	8	8	0	8.00	8.00	0
	1993	AM	1	1	1	16	15	1	22	21	1	21.00	20.00	1.00
		PM	1	1	1	12	9	4	20	16	4	18.00	14.00	4.00
	1994	AM	1	1	1	12	11	1	17	16	1	17.00	16.00	1.00
		PM	1	1	1	15	14	2	21	19	2	21.00	19.00	2.00
	1995	AM	1	1	0	14	14	0	19	19	0	17.00	17.00	0
		PM	1	1	0	8	8	0	10	10	0	9.00	9.00	0
	1996	AM	1	1	0	12	12	0	17	17	0	17.00	17.00	0
		PM	1	1	0	7	7	0	8	8	0	8.00	8.00	0
	1997	AM	1	1	1	14	13	1	24	23	1	24.00	23.00	1.00
		PM	1	1	0	8	8	0	12	12	0	12.00	12.00	0
SUCCESSIONAL HARDWOODS	1991	AM	1	1	1	16	13	5	34	29	5	34.00	29.00	5.00
		PM	1	1	0	6	6	0	27	27	0	27.00	27.00	0
	1992	AM	1	1	1	19	16	4	47	39	8	46.00	39.00	7.00
		PM	1	1	1	13	11	2	15	13	2	14.00	12.00	2.00
	1993	AM	1	1	1	10	8	2	13	11	2	13.00	11.00	2.00
		PM	1	1	1	16	13	3	21	17	4	21.00	17.00	4.00
	1994	AM	1	1	1	15	13	2	20	16	4	19.00	15.00	4.00
		PM	1	1	1	18	15	3	23	20	3	23.00	20.00	3.00

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Period	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	1995	AM	1	1	0	14	14	0	18	18	0	16.00	16.00	0
		PM	1	1	0	14	14	0	20	20	0	20.00	20.00	0
	1996	AM	1	1	0	16	16	0	21	21	0	20.00	20.00	0
		PM	1	1	0	15	15	0	17	17	0	17.00	17.00	0
	1997	AM	1	1	0	21	21	0	24	24	0	24.00	24.00	0
		PM	1	1	0	20	20	0	26	26	0	25.00	25.00	0

Table F5. Vegetation types for West Point by transect.

Vegetation Type	Year	Transect	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	1991	Line Out	2	2	0	16	16	0	30	30	0	15.00	15.00	0
		End Point	2	2	0	15	15	0	31	31	0	15.50	15.50	0
		Line In	2	2	0	15	15	0	34	34	0	17.00	17.00	0
	1992	Line Out	2	2	0	19	19	0	30	30	0	15.00	15.00	0
		End Point	2	2	0	16	16	0	28	28	0	13.50	13.50	0
		Line In	2	2	0	20	20	0	25	25	0	12.50	12.50	0
	1993	Line Out	2	2	0	16	16	0	35	35	0	17.50	17.50	0
		End Point	2	2	0	13	13	0	20	20	0	9.50	9.50	0
		Line In	2	2	0	11	11	0	13	13	0	6.50	6.50	0
	1994	Line Out	2	2	0	18	18	0	35	35	0	17.00	17.00	0
		End Point	2	2	0	16	16	0	20	20	0	9.50	9.50	0
		Line In	2	1	0	5	5	0	6	6	0	2.50	2.50	0
	1995	Line Out	2	2	0	22	22	0	43	43	0	20.50	20.50	0
		End Point	2	2	0	14	14	0	18	18	0	9.00	9.00	0
		Line In	2	2	0	8	8	0	9	9	0	4.50	4.50	0
	1996	Line Out	2	2	0	15	15	0	32	32	0	16.00	16.00	0
		End Point	2	2	0	9	9	0	15	15	0	7.00	7.00	0
		Line In	2	2	0	5	5	0	6	6	0	3.00	3.00	0
	1997	Line Out	2	2	0	19	19	0	40	40	0	20.00	20.00	0
		End Point	2	2	0	9	9	0	14	14	0	6.00	6.00	0
		Line In	2	2	0	9	9	0	10	10	0	5.00	5.00	0
BURN BARREN/ OAK-HICKORY	1991	Line Out	1	1	0	14	14	0	33	33	0	33.00	33.00	0
		End Point	1	1	0	10	10	0	17	17	0	17.00	17.00	0
		Line In	1	1	0	14	14	0	30	30	0	30.00	30.00	0
	1992	Line Out	1	1	0	12	12	0	19	19	0	19.00	19.00	0
		End Point	1	1	0	11	11	0	15	15	0	15.00	15.00	0
		Line In	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	1993	Line Out	1	1	0	6	6	0	7	7	0	7.00	7.00	0
		End Point	1	1	0	8	8	0	9	9	0	9.00	9.00	0
		Line In	1	1	0	6	6	0	6	6	0	6.00	6.00	0
	1994	Line Out	1	1	0	6	6	0	7	7	0	7.00	7.00	0
		End Point	1	1	0	6	6	0	8	8	0	7.00	7.00	0
		Line In	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	1995	Line Out	1	1	0	9	9	0	11	11	0	10.00	10.00	0
		End Point	1	1	0	9	9	0	11	11	0	10.00	10.00	0
		Line In	1	1	0	2	2	0	3	3	0	2.00	2.00	0
	1996	Line Out	1	1	0	9	9	0	11	11	0	11.00	11.00	0
		End Point	1	1	0	11	11	0	12	12	0	12.00	12.00	0
		Line In	1	1	0	5	5	0	7	7	0	7.00	7.00	0
	1997	Line Out	1	1	0	8	8	0	12	12	0	12.00	12.00	0
		End Point	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
CHESTNUT OAK	1991	Line Out	7	7	0	18	18	0	81	81	0	11.57	11.57	0
		End Point	7	7	0	28	28	0	85	85	0	12.14	12.14	0
		Line In	7	7	0	23	23	0	78	78	0	11.14	11.14	0
	1992	Line Out	7	7	0	31	31	0	103	103	0	14.57	14.57	0
		End Point	7	7	0	25	25	0	71	71	0	10.00	10.00	0
		Line In	7	7	0	22	22	0	69	69	0	9.57	9.57	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Transect	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	1993	Line Out	7	7	0	23	23	0	65	65	0	9.00	9.00	0
		End Point	7	7	0	19	19	0	46	46	0	6.43	6.43	0
		Line In	7	7	0	19	19	0	36	36	0	5.00	5.00	0
	1994	Line Out	7	7	0	24	24	0	67	67	0	9.43	9.43	0
		End Point	7	7	0	23	23	0	55	55	0	7.86	7.86	0
		Line In	7	7	0	21	21	0	37	37	0	5.29	5.29	0
	1995	Line Out	7	7	0	24	24	0	63	63	0	9.00	9.00	0
		End Point	7	7	0	26	26	0	46	46	0	6.57	6.57	0
		Line In	7	7	0	21	21	0	39	39	0	5.57	5.57	0
	1996	Line Out	7	7	0	24	24	0	64	64	0	9.00	9.00	0
		End Point	7	7	0	29	29	0	61	61	0	8.57	8.57	0
		Line In	7	7	0	20	20	0	39	39	0	5.43	5.43	0
	1997	Line Out	7	7	0	26	26	0	84	84	0	11.71	11.71	0
		End Point	7	7	0	27	27	0	65	65	0	9.00	9.00	0
		Line In	7	7	0	13	13	0	20	20	0	2.71	2.71	0
HEMLOCK-NORTHERN	1991	Line Out	1	1	0	9	9	0	10	10	0	10.00	10.00	0
HARDWOOD		End Point	1	1	0	8	8	0	9	9	0	9.00	9.00	0
		Line In	1	1	0	12	12	0	19	19	0	19.00	19.00	0
	1992	Line Out	1	1	0	9	9	0	10	10	0	10.00	10.00	0
		End Point	1	1	0	5	5	0	7	7	0	7.00	7.00	0
		Line In	1	1	0	7	7	0	7	7	0	7.00	7.00	0
	1993	Line Out	1	1	0	9	9	0	14	14	0	13.00	13.00	0
		End Point	1	1	0	6	6	0	7	7	0	6.00	6.00	0
		Line In	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	1994	Line Out	1	1	0	9	9	0	18	18	0	18.00	18.00	0
		End Point	1	1	0	8	8	0	9	9	0	8.00	8.00	0
		Line In	1	1	0	3	3	0	3	3	0	3.00	3.00	0
	1995	Line Out	1	1	0	13	13	0	19	19	0	18.00	18.00	0
		End Point	1	1	0	8	8	0	12	12	0	10.00	10.00	0
		Line In	1	1	0	4	4	0	5	5	0	5.00	5.00	0
	1996	Line Out	1	1	0	8	8	0	8	8	0	8.00	8.00	0
		End Point	1	1	0	6	6	0	9	9	0	7.00	7.00	0
		Line In	1	1	0	4	4	0	5	5	0	5.00	5.00	0
	1997	Line Out	1	1	0	8	8	0	13	13	0	12.00	12.00	0
		End Point	1	1	0	5	5	0	8	8	0	8.00	8.00	0
		Line In	1	1	0	3	3	0	3	3	0	3.00	3.00	0
MAPLE BEECH MESIC	1991	Line Out	2	2	0	20	20	0	51	51	0	25.50	25.50	0
		End Point	2	2	0	14	14	0	30	30	0	15.00	15.00	0
		Line In	2	2	0	17	17	0	40	40	0	20.00	20.00	0
	1992	Line Out	2	2	0	12	12	0	27	27	0	13.50	13.50	0
		End Point	2	2	0	13	13	0	25	25	0	11.50	11.50	0
		Line In	2	2	0	11	11	0	19	19	0	8.50	8.50	0
	1993	Line Out	2	2	0	14	14	0	35	35	0	16.00	16.00	0
		End Point	2	2	0	10	10	0	23	23	0	11.50	11.50	0
		Line In	2	2	0	8	8	0	8	8	0	4.00	4.00	0
	1994	Line Out	2	2	0	15	15	0	42	42	0	21.00	21.00	0
		End Point	2	2	0	7	7	0	17	17	0	7.50	7.50	0
		Line In	2	2	0	8	8	0	9	9	0	4.50	4.50	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Transect	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	1995	Line Out	2	2	0	16	16	0	30	30	0	14.00	14.00	0
		End Point	2	2	0	11	11	0	15	15	0	7.50	7.50	0
		Line In	2	2	0	11	11	0	14	14	0	7.00	7.00	0
	1996	Line Out	2	2	0	16	16	0	32	32	0	15.50	15.50	0
		End Point	2	2	0	5	5	0	7	7	0	3.00	3.00	0
		Line In	2	2	0	15	15	0	21	21	0	10.50	10.50	0
	1997	Line Out	2	2	0	18	18	0	38	38	0	18.50	18.50	0
		End Point	2	2	0	13	13	0	20	20	0	10.00	10.00	0
		Line In	2	2	0	10	10	0	10	10	0	5.00	5.00	0
OAK-HICKORY	1991	Line Out	14	14	0	39	39	0	233	233	0	16.64	16.64	0
		End Point	14	14	0	38	38	0	214	214	0	15.29	15.29	0
		Line In	14	14	0	39	39	0	203	203	0	14.50	14.50	0
	1992	Line Out	14	14	0	38	38	0	195	195	0	13.71	13.71	0
		End Point	14	14	0	38	38	0	156	156	0	10.79	10.79	0
		Line In	14	14	0	36	36	0	151	151	0	10.29	10.29	0
	1993	Line Out	14	14	0	35	35	0	156	156	0	11.00	11.00	0
		End Point	14	14	0	35	35	0	132	132	0	8.64	8.64	0
		Line In	14	14	0	27	27	0	63	63	0	4.43	4.43	0
	1994	Line Out	14	14	0	35	35	0	173	173	0	12.36	12.36	0
		End Point	14	14	0	38	38	0	145	145	0	10.07	10.07	0
		Line In	14	14	0	31	31	0	66	66	0	4.50	4.50	0
	1995	Line Out	14	14	0	49	49	0	226	226	0	15.57	15.57	0
		End Point	14	14	0	38	38	0	118	118	0	8.00	8.00	0
		Line In	14	14	0	27	27	0	58	58	0	4.00	4.00	0
	1996	Line Out	14	14	0	37	37	0	195	195	0	13.43	13.43	0
		End Point	14	14	0	34	34	0	110	110	0	7.29	7.29	0
		Line In	14	14	0	32	32	0	69	69	0	4.79	4.79	0
	1997	Line Out	14	14	0	43	43	0	247	247	0	17.36	17.36	0
		End Point	14	13	0	36	36	0	98	98	0	7.00	7.00	0
		Line In	14	14	0	26	26	0	60	60	0	4.14	4.14	0
OAK-PINE	1991	Line Out	1	1	0	8	8	0	12	12	0	12.00	12.00	0
		End Point	1	1	0	6	6	0	6	6	0	6.00	6.00	0
		Line In	1	1	0	9	9	0	13	13	0	13.00	13.00	0
	1992	Line Out	1	1	0	8	8	0	13	13	0	13.00	13.00	0
		End Point	1	1	0	12	12	0	16	16	0	15.00	15.00	0
		Line In	1	1	0	3	3	0	6	6	0	6.00	6.00	0
	1993	Line Out	1	1	0	5	5	0	6	6	0	6.00	6.00	0
		End Point	1	1	0	5	5	0	7	7	0	7.00	7.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
	1994	Line Out	1	1	0	10	10	0	13	13	0	12.00	12.00	0
		End Point	1	1	0	7	7	0	7	7	0	7.00	7.00	0
		Line In	1	1	0	3	3	0	4	4	0	4.00	4.00	0
	1995	Line Out	1	1	0	8	8	0	11	11	0	11.00	11.00	0
		End Point	1	1	0	8	8	0	11	11	0	9.00	9.00	0
		Line In	1	1	0	3	3	0	7	7	0	4.00	4.00	0
	1996	Line Out	1	1	0	7	7	0	10	10	0	9.00	9.00	0
		End Point	1	1	0	3	3	0	9	9	0	9.00	9.00	0
		Line In	1	1	0	6	6	0	6	6	0	6.00	6.00	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Transect	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	1997	Line Out	1	1	0	11	11	0	18	18	0	18.00	18.00	0
		End Point	1	1	0	5	5	0	5	5	0	5.00	5.00	0
		Line In	1	1	0	6	6	0	7	7	0	7.00	7.00	0
OAK-TULIP TREE	1991	Line Out	2	2	0	18	18	0	41	41	0	20.50	20.50	0
		End Point	2	2	0	19	19	0	37	37	0	18.50	18.50	0
		Line In	2	2	0	13	13	0	37	37	0	18.50	18.50	0
	1992	Line Out	2	2	0	17	17	0	31	31	0	15.50	15.50	0
		End Point	2	2	0	16	16	0	27	27	0	13.00	13.00	0
		Line In	2	2	0	5	5	0	8	8	0	4.00	4.00	0
	1993	Line Out	2	2	0	20	20	0	32	32	0	15.50	15.50	0
		End Point	2	2	0	15	15	0	25	25	0	12.50	12.50	0
		Line In	2	2	0	12	12	0	13	13	0	6.50	6.50	0
	1994	Line Out	2	2	0	15	15	0	28	28	0	14.00	14.00	0
		End Point	2	2	0	15	15	0	31	31	0	15.00	15.00	0
		Line In	2	2	0	7	7	0	8	8	0	4.00	4.00	0
	1995	Line Out	2	2	0	20	20	0	40	40	0	20.00	20.00	0
		End Point	2	2	0	14	14	0	20	20	0	10.00	10.00	0
		Line In	2	2	0	5	5	0	6	6	0	3.00	3.00	0
	1996	Line Out	2	2	0	15	15	0	30	30	0	15.00	15.00	0
		End Point	2	2	0	10	10	0	12	12	0	6.00	6.00	0
		Line In	2	2	0	4	4	0	4	4	0	2.00	2.00	0
	1997	Line Out	2	2	0	16	16	0	36	36	0	18.00	18.00	0
		End Point	2	2	0	18	18	0	24	24	0	11.00	11.00	0
		Line In	2	2	0	9	9	0	11	11	0	5.50	5.50	0
RICH ROCKY	1991	Line Out	2	2	0	20	20	0	34	34	0	17.00	17.00	0
WOODLANDS		End Point	2	2	0	13	13	0	21	21	0	10.50	10.50	0
		Line In	2	2	0	15	15	0	30	30	0	15.00	15.00	0
	1992	Line Out	2	2	0	20	20	0	30	30	0	15.00	15.00	0
		End Point	2	2	0	13	13	0	23	23	0	11.00	11.00	0
		Line In	2	2	0	17	17	0	25	25	0	12.50	12.50	0
	1993	Line Out	2	2	0	9	9	0	21	21	0	10.50	10.50	0
		End Point	2	2	0	6	6	0	10	10	0	4.50	4.50	0
		Line In	2	2	0	3	3	0	4	4	0	1.50	1.50	0
	1994	Line Out	2	2	0	16	16	0	31	31	0	15.50	15.50	0
		End Point	2	2	0	9	9	0	9	9	0	4.50	4.50	0
		Line In	2	2	0	6	6	0	8	8	0	4.00	4.00	0
	1995	Line Out	2	2	0	17	17	0	31	31	0	15.00	15.00	0
		End Point	2	2	0	17	17	0	23	23	0	10.00	10.00	0
		Line In	2	2	0	10	10	0	11	11	0	5.50	5.50	0
	1996	Line Out	2	2	0	12	12	0	19	19	0	9.50	9.50	0
		End Point	2	2	0	8	8	0	15	15	0	7.00	7.00	0
		Line In	2	2	0	7	7	0	9	9	0	4.50	4.50	0
	1997	Line Out	2	2	0	13	13	0	20	20	0	10.00	10.00	0
		End Point	2	2	0	10	10	0	14	14	0	7.00	7.00	0
		Line In	2	2	0	6	6	0	7	7	0	3.50	3.50	0
ROCKY SUMMIT	1991	Line Out	1	1	0	8	8	0	13	13	0	13.00	13.00	0
GRASSLAND		End Point	1	1	0	7	7	0	13	13	0	13.00	13.00	0
		Line In	1	1	0	13	13	0	17	17	0	17.00	17.00	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Transect	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	1992	Line Out	1	1	0	10	10	0	13	13	0	13.00	13.00	0
		End Point	1	1	0	9	9	0	16	16	0	16.00	16.00	0
		Line In	1	1	0	3	3	0	3	3	0	3.00	3.00	0
	1993	Line Out	1	1	0	10	10	0	16	16	0	16.00	16.00	0
		End Point	1	1	0	8	8	0	15	15	0	12.00	12.00	0
		Line In	1	1	0	6	6	0	6	6	0	6.00	6.00	0
	1994	Line Out	1	1	0	13	13	0	21	21	0	21.00	21.00	0
		End Point	1	1	0	7	7	0	10	10	0	10.00	10.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
	1995	Line Out	1	1	0	11	11	0	17	17	0	15.00	15.00	0
		End Point	1	1	0	6	6	0	11	11	0	10.00	10.00	0
		Line In	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	1996	Line Out	1	1	0	8	8	0	11	11	0	11.00	11.00	0
		End Point	1	1	0	5	5	0	10	10	0	10.00	10.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
	1997	Line Out	1	1	0	9	9	0	15	15	0	15.00	15.00	0
		End Point	1	1	0	9	9	0	16	16	0	16.00	16.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
SUCCESSIONAL	1991	Line Out	1	1	0	10	10	0	20	20	0	20.00	20.00	0
HARDWOODS		End Point	1	1	0	7	7	0	13	13	0	13.00	13.00	0
		Line In	1	1	0	12	12	0	23	23	0	23.00	23.00	0
	1992	Line Out	1	1	0	9	9	0	17	17	0	17.00	17.00	0
		End Point	1	1	0	12	12	0	16	16	0	16.00	16.00	0
		Line In	1	1	0	12	12	0	19	19	0	18.00	18.00	0
	1993	Line Out	1	1	0	10	10	0	16	16	0	16.00	16.00	0
		End Point	1	1	0	7	7	0	8	8	0	8.00	8.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
	1994	Line Out	1	1	0	10	10	0	15	15	0	14.00	14.00	0
		End Point	1	1	0	11	11	0	17	17	0	17.00	17.00	0
		Line In	1	1	0	4	4	0	4	4	0	4.00	4.00	0
	1995	Line Out	1	1	0	6	6	0	6	6	0	6.00	6.00	0
		End Point	1	1	0	11	11	0	17	17	0	15.00	15.00	0
		Line In	1	1	0	12	12	0	15	15	0	15.00	15.00	0
	1996	Line Out	1	1	0	14	14	0	20	20	0	20.00	20.00	0
		End Point	1	1	0	8	8	0	8	8	0	8.00	8.00	0
		Line In	1	1	0	9	9	0	10	10	0	9.00	9.00	0
	1997	Line Out	1	1	0	21	21	0	29	29	0	29.00	29.00	0
		End Point	1	1	0	13	13	0	18	18	0	17.00	17.00	0
		Line In	1	1	0	3	3	0	3	3	0	3.00	3.00	0

Table F6. Vegetation types for West Point by mated status.

Vegetation Type	Year	Mated Status	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	Singing Male	1992	2	2	1	26	26	2	76	74	2	38.00	37.00	1.00
		1993	2	2	0	25	25	0	60	60	0	30.00	30.00	0
		1994	2	2	1	24	23	1	51	50	1	25.50	25.00	0.50
		1995	2	2	0	28	28	0	58	58	0	29.00	29.00	0
		1996	2	2	0	18	18	0	51	51	0	25.50	25.50	0
		1997	2	2	0	26	26	0	59	59	0	29.50	29.50	0
	Female Only	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Nonsinging Male	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Not Recorded	1991	2	2	1	22	21	1	96	95	1	48.00	47.50	0.50
	Male/Female	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	2	0	3	3	0	3	3	0	1.50	1.50	0
		1995	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	2	2	0	1.00	1.00	0
	Unknown Sex	1992	2	2	0	7	7	0	7	7	0	3.50	3.50	0
		1993	2	1	0	3	3	0	4	4	0	2.00	2.00	0
		1994	2	2	0	4	4	0	4	4	0	2.00	2.00	0
		1995	2	2	1	8	7	1	9	8	1	4.50	4.00	0.50
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
BURN BARREN/ OAK-HICKORY	Singing Male	1992	1	1	1	16	15	3	29	26	3	29.00	26.00	3.00
		1993	1	1	1	17	15	2	24	22	2	24.00	22.00	2.00
		1994	1	1	1	16	11	7	22	14	8	22.00	14.00	8.00
		1995	1	1	0	12	12	0	15	15	0	15.00	15.00	0
		1996	1	1	1	20	19	1	27	26	1	27.00	26.00	1.00
		1997	1	1	0	13	13	0	18	18	0	18.00	18.00	0
	Female Only	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Flock	1997	1	0	1	1	0	1	11	0	11	11.00	0.00	11.00
	Not Recorded	1991	1	1	1	24	18	6	87	80	7	87.00	80.00	7.00
	Male/Female	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	3	3	0	3	3	0	3.00	3.00	0
	Unknown Sex	1992	1	1	1	8	5	3	13	9	4	13.00	9.00	4.00
		1995	1	1	1	4	3	1	5	4	1	5.00	4.00	1.00
		1996	1	1	1	4	3	1	7	4	3	7.00	4.00	3.00
		1997	1	1	1	2	1	1	4	2	2	4.00	2.00	2.00
CHESTNUT OAK	Singing Male	1992	7	7	4	35	33	10	215	205	10	30.71	29.29	1.43
		1993	7	7	5	33	28	8	133	124	9	19.00	17.71	1.29
		1994	7	7	3	38	32	10	154	139	15	22.00	19.86	2.14
		1995	7	7	2	38	36	2	136	134	2	19.43	19.14	0.29
		1996	7	7	1	41	40	1	145	144	1	20.71	20.57	0.14
		1997	7	7	0	40	40	0	148	148	0	21.14	21.14	0
	Female Only	1992	7	2	0	2	2	0	2	2	0	0.29	0.29	0
		1995	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1996	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	1	0	2	2	0	2	2	0	0.29	0.29	0
	Flock	1995	7	0	2	1	0	1	150	0	150	21.43	0.00	21.43

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Mated Status	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Nonsinging Male	1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1993	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1994	7	2	0	2	2	0	2	2	0	0.29	0.29	0
		1996	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	Not Recorded	1991	7	7	4	37	32	10	257	244	13	36.71	34.86	1.86
		1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	Male/Female	1992	7	3	0	3	3	0	4	4	0	0.57	0.57	0
		1993	7	2	0	4	4	0	4	4	0	0.57	0.57	0
		1994	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1996	7	3	0	3	3	0	3	3	0	0.43	0.43	0
		1997	7	4	0	3	3	0	5	5	0	0.71	0.71	0
	Unknown Sex	1992	7	5	2	15	14	2	31	27	4	4.43	3.86	0.57
		1993	7	4	4	9	6	3	27	14	13	3.86	2.00	1.86
		1994	7	5	1	9	8	1	19	16	3	2.71	2.29	0.43
		1995	7	6	2	7	5	2	15	13	2	2.14	1.86	0.29
		1996	7	6	1	8	7	1	13	12	1	1.86	1.71	0.14
		1997	7	4	2	8	6	2	10	7	3	1.43	1.00	0.43
HEMLOCK-NORTHERN HARDWOOD	Singing Male	1992	1	1	0	12	12	0	14	14	0	14.00	14.00	0
		1993	1	1	0	12	12	0	16	16	0	16.00	16.00	0
		1994	1	1	1	10	9	1	15	14	1	15.00	14.00	1.00
		1995	1	1	1	20	19	1	28	27	1	28.00	27.00	1.00
		1996	1	1	0	13	13	0	17	17	0	17.00	17.00	0
		1997	1	1	0	13	13	0	20	20	0	20.00	20.00	0
	Female Only	1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Flock	1994	1	1	0	2	2	0	11	11	0	11.00	11.00	0
	Not Recorded	1991	1	1	0	18	18	0	38	38	0	38.00	38.00	0
		1997	1	0	0	1	0	0	0	0	0	0.00	0.00	0
	Male/Female	1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Unknown Sex	1992	1	1	0	6	6	0	10	10	0	10.00	10.00	0
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1995	1	1	1	3	2	1	4	3	1	4.00	3.00	1.00
		1996	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1997	1	1	0	2	2	0	2	2	0	2.00	2.00	0
MAPLE BEECH MESIC	Singing Male	1992	2	2	2	24	20	5	58	53	5	29.00	26.50	2.50
		1993	2	2	2	19	18	3	52	49	3	26.00	24.50	1.50
		1994	2	2	1	21	20	1	59	58	1	29.50	29.00	0.50
		1995	2	2	0	22	22	0	51	51	0	25.50	25.50	0
		1996	2	2	0	23	23	0	54	54	0	27.00	27.00	0
		1997	2	2	1	24	24	1	60	59	1	30.00	29.50	0.50
	Female Only	1993	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	0	1	1	0	1	1	0	1	0.50	0.00	0.50

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Mated Status	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Not Recorded	1991	2	2	1	25	23	2	123	121	2	61.50	60.50	1.00
		1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Male/Female	1992	2	2	0	4	4	0	4	4	0	2.00	2.00	0
		1993	2	1	0	2	2	0	3	3	0	1.50	1.50	0
		1994	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1995	2	1	0	2	2	0	2	2	0	1.00	1.00	0
		1996	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Unknown Sex	1992	2	2	1	4	3	1	10	9	1	5.00	4.50	0.50
		1993	2	2	1	6	5	1	10	9	1	5.00	4.50	0.50
		1994	2	2	0	4	4	0	5	5	0	2.50	2.50	0
		1995	2	1	0	2	2	0	3	3	0	1.50	1.50	0
		1996	2	1	1	3	2	1	3	2	1	1.50	1.00	0.50
		1997	2	2	1	5	4	1	8	7	1	4.00	3.50	0.50
	Young of Year	1996	2	0	1	1	0	1	6	0	6	3.00	0.00	3.00
OAK-HICKORY	Singing Male	1992	14	14	9	48	45	22	416	384	32	29.71	27.43	2.29
		1993	14	14	10	49	47	19	316	287	29	22.57	20.50	2.07
		1994	14	14	11	52	46	32	383	322	61	27.36	23.00	4.36
		1995	14	14	4	60	56	6	339	332	7	24.21	23.71	0.50
		1996	14	14	2	48	47	2	309	307	2	22.07	21.93	0.14
		1997	14	14	1	55	55	1	351	350	1	25.07	25.00	0.07
	Female Only	1993	14	4	0	5	5	0	6	6	0	0.43	0.43	0
		1994	14	5	0	6	6	0	8	8	0	0.57	0.57	0
		1995	14	5	0	5	5	0	8	8	0	0.57	0.57	0
		1997	14	4	0	3	3	0	6	6	0	0.43	0.43	0
	Flock	1992	14	0	2	1	0	1	7	0	7	0.50	0	0.50
		1993	14	0	1	1	0	1	7	0	7	0.50	0	0.50
		1994	14	0	1	1	0	1	0	0	0	0.00	0	0.00
		1995	14	0	3	3	0	3	35	0	35	2.50	0	2.50
		1997	14	1	0	1	1	0	12	12	0	0.86	0.86	0
	Nonsinging Male	1992	14	2	1	3	2	1	3	2	1	0.21	0.14	0.07
		1993	14	1	0	2	2	0	2	2	0	0.14	0.14	0
		1994	14	6	0	5	5	0	7	7	0	0.50	0.50	0
		1995	14	2	0	2	2	0	2	2	0	0.14	0.14	0
		1996	14	2	0	3	3	0	3	3	0	0.21	0.21	0
		1997	14	3	0	4	4	0	5	5	0	0.36	0.36	0
	Not Recorded	1991	14	14	10	56	52	20	675	650	25	48.21	46.43	1.79
		1996	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1997	14	0	0	2	0	0	0	0	0	0	0	0
	Male/Female	1992	14	8	1	10	9	1	16	15	1	1.14	1.07	0.07
		1993	14	8	0	11	11	0	14	14	0	1.00	1.00	0
		1994	14	6	1	8	7	1	8	7	1	0.57	0.50	0.07
		1995	14	9	0	10	10	0	16	16	0	1.14	1.14	0
		1996	14	8	0	7	7	0	17	17	0	1.21	1.21	0
		1997	14	6	0	6	6	0	6	6	0	0.43	0.43	0

Vegetation Type	Year	Mated Status	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Unknown Sex	1992	14	14	10	33	29	11	105	86	19	7.50	6.14	1.36
		1993	14	11	3	16	14	5	33	28	5	2.36	2.00	0.36
		1994	14	10	2	18	16	2	35	33	2	2.50	2.36	0.14
		1995	14	14	1	17	16	1	29	28	1	2.07	2.00	0.07
		1996	14	10	6	12	10	4	38	29	9	2.71	2.07	0.64
		1997	14	8	3	16	13	4	32	21	11	2.29	1.50	0.79
OAK-PINE	Singing Male	1992	1	1	1	16	14	2	25	23	2	25.00	23.00	2.00
		1993	1	1	1	9	8	1	16	15	1	16.00	15.00	1.00
		1994	1	1	1	17	15	3	23	20	3	23.00	20.00	3.00
		1995	1	1	0	10	10	0	16	16	0	16.00	16.00	0
		1996	1	1	0	11	11	0	17	17	0	17.00	17.00	0
		1997	1	1	0	15	15	0	29	29	0	29.00	29.00	0
	Female Only	1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Not Recorded	1991	1	1	0	15	15	0	31	31	0	31.00	31.00	0
	Male/Female	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Unknown Sex	1992	1	1	0	5	5	0	10	10	0	10.00	10.00	0
		1993	1	1	1	4	2	2	5	2	3	5.00	2.00	3.00
		1994	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	6	6	0	6.00	6.00	0
OAK-TULIP TREE	Singing Male	1992	2	2	1	23	22	2	61	59	2	30.50	29.50	1.00
		1993	2	2	1	27	26	1	66	65	1	33.00	32.50	0.50
		1994	2	2	2	29	26	11	69	58	11	34.50	29.00	5.50
		1995	2	2	0	28	28	0	58	58	0	29.00	29.00	0
		1996	2	2	1	22	21	1	46	45	1	23.00	22.50	0.50
		1997	2	2	0	30	30	0	61	61	0	30.50	30.50	0
	Female Only	1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Nonsinging Male	1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Not Recorded	1991	2	2	1	23	23	2	117	115	2	58.50	57.50	1.00
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Male/Female	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	2	0	2	2	0	2	2	0	1.00	1.00	0
	Unknown Sex	1992	2	2	1	7	5	2	7	5	2	3.50	2.50	1.00
		1993	2	2	1	3	2	1	4	3	1	2.00	1.50	0.50
		1994	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1995	2	2	0	6	6	0	8	8	0	4.00	4.00	0
		1997	2	2	1	4	3	1	6	5	1	3.00	2.50	0.50
RICH ROCKY WOODLANDS	Singing Male	1992	2	2	1	25	24	1	66	65	1	33.00	32.50	0.50
		1993	2	2	1	10	10	1	27	26	1	13.50	13.00	0.50
		1994	2	2	2	21	20	3	44	41	3	22.00	20.50	1.50
		1995	2	2	0	25	25	0	51	51	0	25.50	25.50	0
		1996	2	2	0	17	17	0	39	39	0	19.50	19.50	0
		1997	2	2	0	20	20	0	34	34	0	17.00	17.00	0

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Mated Status	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Female Only	1993	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Flock	1994	2	0	1	1	0	1	10	0	10	5.00	0	5.00
		1997	2	0	1	1	0	1	75	0	75	37.50	0	37.50
	Nonsinging Male	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Not Recorded	1991	2	2	2	26	24	3	89	85	4	44.50	42.50	2.00
		1997	2	1	0	2	1	0	1	1	0	0.50	0.50	0
	Male/Female	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1993	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1994	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1995	2	2	0	3	3	0	4	4	0	2.00	2.00	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	Unknown Sex	1992	2	1	0	7	7	0	11	11	0	5.50	5.50	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1995	2	2	1	6	5	1	6	5	1	3.00	2.50	0.50
		1996	2	1	0	2	2	0	2	2	0	1.00	1.00	0
		1997	2	2	0	2	2	0	4	4	0	2.00	2.00	0
ROCKY SUMMIT GRASSLAND	Singing Male	1992	1	1	0	17	17	0	28	28	0	28.00	28.00	0
		1993	1	1	1	20	17	5	30	25	5	30.00	25.00	5.00
		1994	1	1	1	19	17	3	37	34	3	37.00	34.00	3.00
		1995	1	1	0	12	12	0	19	19	0	19.00	19.00	0
		1996	1	1	0	13	13	0	25	25	0	25.00	25.00	0
		1997	1	1	1	17	16	1	31	30	1	31.00	30.00	1.00
	Female Only	1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Nonsinging Male	1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Not Recorded	1991	1	1	1	18	17	1	44	43	1	44.00	43.00	1.00
	Male/Female	1993	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1995	1	1	0	2	2	0	3	3	0	3.00	3.00	0
	Unknown Sex	1992	1	1	1	3	2	1	5	4	1	5.00	4.00	1.00
		1993	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1997	1	1	0	2	2	0	5	5	0	5.00	5.00	0
SUCCESSIONAL HARDWOODS	Singing Male	1992	1	1	1	16	16	2	36	34	2	36.00	34.00	2.00
		1993	1	1	1	18	16	2	26	24	2	26.00	24.00	2.00
		1994	1	1	1	19	15	4	25	21	4	25.00	21.00	4.00
		1995	1	1	0	18	18	0	30	30	0	30.00	30.00	0
		1996	1	1	0	21	21	0	30	30	0	30.00	30.00	0
		1997	1	1	0	27	27	0	47	47	0	47.00	47.00	0
	Female Only	1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Nonsinging Male	1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Not Recorded	1991	1	1	1	19	16	5	61	56	5	61.00	56.00	5.00

Installation Summary by Vegetation Groupings

Vegetation Type	Year	Mated Status	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Male/Female	1992	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	Unknown Sex	1992	1	1	1	9	6	3	20	14	6	20.00	14.00	6.00
		1993	1	1	1	5	2	3	7	3	4	7.00	3.00	4.00
		1994	1	1	1	8	7	1	16	13	3	16.00	13.00	3.00
		1995	1	1	0	4	4	0	4	4	0	4.00	4.00	0
		1996	1	1	0	3	3	0	6	6	0	6.00	6.00	0
	Young of Year	1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0

Table F7. Vegetation types for West Point by species.

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
BURN BARREN	Bluebird, Eastern	1995	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
	Bunting, Indigo	1991	2	1	4	4	2.00	2.00
		1993	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	2	3	3	1.50	1.50
		1997	2	1	1	1	0.50	0.50
	Catbird, Gray	1993	2	2	3	3	1.50	1.50
		1997	2	1	2	2	1.00	1.00
	Chickadee, Black-capped	1992	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
	Cowbird, Brown-headed	1994	2	1	2	2	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Cuckoo, Black-billed	1994	2	1	2	2	1.00	1.00
	Dove, Mourning	1993	2	1	1	1	0.50	0.50
		1994	2	1	2	2	1.00	1.00
		1995	2	1	1	1	0.50	0.50
	Flicker, Northern	1991	2	1	1	1	0.50	0.50
		1992	2	2	2	2	1.00	1.00
		1993	2	2	5	5	2.50	2.50
		1994	2	1	2	2	1.00	1.00
		1995	2	2	3	3	1.50	1.50
		1996	2	2	4	4	2.00	2.00
		1997	2	1	1	1	0.50	0.50
	Flycatcher, Great-crested	1991	2	2	8	8	4.00	4.00
		1992	2	2	9	8	4.50	4.00
		1993	2	1	1	1	0.50	0.50
		1994	2	2	4	4	2.00	2.00
		1995	2	2	3	3	1.50	1.50
		1996	2	1	2	2	1.00	1.00
		1997	2	2	4	4	2.00	2.00
	Gnatcatcher, Blue-gray	1995	2	1	1	1	0.50	0.50
	Goldfinch, American	1994	2	1	1	1	0.50	0.50
	Grosbeak, Rose-breasted	1991	2	1	4	4	2.00	2.00
		1992	2	1	8	8	4.00	4.00
		1993	2	2	3	3	1.50	1.50
		1994	2	1	5	5	2.00	2.00
		1995	2	1	3	3	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Grouse, Ruffed	1991	2	1	1	1	0.50	0.50
		1992	2	1	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Harrier, Northern	1995	2	0	1	0	0.50	0.00
	Hawk, Red-shouldered	1993	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Jay, Blue	1992	2	2	4	4	2.00	2.00
		1993	2	2	5	5	2.50	2.50
		1994	2	2	3	3	1.50	1.50
		1995	2	2	3	3	1.50	1.50
		1996	2	2	7	7	3.50	3.50
		1997	2	2	2	2	1.00	1.00
	Junco, Dark-eyed	1991	2	1	1	1	0.50	0.50
	Kingbird, Eastern	1994	2	1	1	1	0.50	0.50
	Nuthatch, White-breasted	1991	2	1	2	2	1.00	1.00
		1992	2	1	2	2	1.00	1.00
		1993	2	1	1	1	0.50	0.50
		1994	2	1	2	2	1.00	1.00
		1995	2	1	1	1	0.50	0.50
	Oriole, Northern	1992	2	1	1	1	0.50	0.50
		1993	2	2	6	6	2.50	2.50
		1994	2	2	4	4	2.00	2.00
		1995	2	2	4	4	2.00	2.00
		1996	2	2	8	8	4.00	4.00
		1997	2	2	5	5	2.50	2.50
	Ovenbird	1991	2	2	7	7	3.50	3.50
		1992	2	2	5	5	2.50	2.50
		1993	2	1	3	3	1.50	1.50
		1994	2	2	3	3	1.50	1.50
		1995	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	2	2	2	1.00	1.00
	Parula, Northern	1992	2	1	3	3	1.50	1.50
	Pewee, Eastern Wood	1991	2	1	1	1	0.50	0.50
		1992	2	1	3	3	1.50	1.50
		1993	2	2	4	4	2.00	2.00
		1994	2	2	5	5	2.50	2.50
		1995	2	1	2	2	1.00	1.00
		1996	2	2	3	3	1.50	1.50
		1997	2	2	4	4	2.00	2.00
	Redstart, American	1992	2	1	2	2	1.00	1.00
	Robin, American	1992	2	1	1	1	0.50	0.50
		1993	2	2	2	2	1.00	1.00
		1994	2	2	3	3	1.50	1.50
		1995	2	1	1	1	0.50	0.50
		1997	2	2	2	2	1.00	1.00
	Sparrow, Chipping	1991	2	1	3	3	1.50	1.50
		1992	2	1	3	3	1.00	1.00
		1995	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	2	2	2	1.00	1.00
	Sparrow, Field	1991	2	1	2	2	1.00	1.00
		1992	2	1	2	1	1.00	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Tanager, Scarlet	1991	2	1	4	4	2.00	2.00
		1992	2	2	3	3	1.50	1.50
		1993	2	2	3	3	1.50	1.50
		1994	2	2	4	4	2.00	2.00
		1995	2	2	5	5	2.00	2.00
		1996	2	1	2	2	1.00	1.00
		1997	2	1	3	3	1.50	1.50
	Thrasher, Brown	1994	2	0	1	0	0.50	0.00
	Thrush, Hermit	1992	2	2	3	3	1.50	1.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Thrush, Wood	1991	2	2	10	10	5.00	5.00
		1992	2	2	3	3	1.50	1.50
		1993	2	2	5	5	2.50	2.50
		1994	2	1	1	1	0.50	0.50
		1995	2	2	7	7	3.50	3.50
		1996	2	1	1	1	0.50	0.50
		1997	2	2	5	5	2.50	2.50
	Titmouse, Tufted	1991	2	1	3	3	1.50	1.50
		1992	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Towhee, Rufous-sided	1991	2	2	18	18	9.00	9.00
		1992	2	2	7	7	3.50	3.50
		1993	2	2	6	6	3.00	3.00
		1994	2	1	4	4	2.00	2.00
		1995	2	2	5	5	2.50	2.50
		1996	2	2	7	7	3.00	3.00
		1997	2	2	10	10	4.00	4.00
	Turkey, Wild	1991	2	2	3	3	1.50	1.50
		1992	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
	Veery	1991	2	2	5	5	2.50	2.50
		1993	2	1	3	3	1.50	1.50
		1995	2	1	2	2	1.00	1.00
	Vireo, Red-eyed	1992	2	1	4	4	2.00	2.00
		1993	2	2	2	2	1.00	1.00
		1995	2	2	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
		1997	2	2	5	5	2.50	2.50
	Vireo, Yellow-throated	1994	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Warbler, Black-and-white	1991	2	2	10	10	5.00	5.00
		1992	2	2	5	5	2.50	2.50
		1993	2	2	4	4	2.00	2.00
		1994	2	2	4	4	2.00	2.00
		1995	2	2	3	3	1.50	1.50
		1996	2	2	5	5	2.50	2.50
		1997	2	2	4	4	2.00	2.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Warbler, Chestnut-sided	1992	2	1	1	1	0.50	0.50
	Warbler, Prairie	1991	2	2	5	5	2.50	2.50
		1992	2	2	5	5	2.50	2.50
		1993	2	1	1	1	0.50	0.50
		1995	2	2	4	4	2.00	2.00
		1996	2	2	5	5	2.50	2.50
		1997	2	1	2	2	1.00	1.00
	Warbler, Worm-eating	1993	2	1	1	1	0.50	0.50
		1995	2	2	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
	Waxwing, Cedar	1991	2	1	2	2	1.00	1.00
		1993	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1996	2	2	2	2	1.00	1.00
	Woodpecker, Downy	1991	2	1	1	1	0.50	0.50
		1992	2	2	2	2	1.00	1.00
		1993	2	1	1	1	0.50	0.50
	Woodpecker, Hairy	1993	2	2	2	2	1.00	1.00
		1994	2	2	3	3	1.00	1.00
		1995	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Woodpecker, Pileated	1991	2	0	1	0	0.50	0.00
		1992	2	1	1	1	0.50	0.50
		1993	2	1	1	1	0.50	0.50
	Woodpecker, Red-bellied	1993	2	2	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Wren, Winter	1994	2	1	1	1	0.50	0.50
	Yellowthroat, Common	1992	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
BURN BARREN/OAK-HICKORY	Blackbird, Red-winged	1997	1	0	11	0	11.00	0.00
	Bluebird, Eastern	1993	1	1	4	4	4.00	4.00
		1994	1	1	4	4	3.00	3.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Bunting, Indigo	1993	1	1	2	2	2.00	2.00
	Chickadee, Black-capped	1995	1	1	1	1	1.00	1.00
	Cowbird, Brown-headed	1996	1	1	1	1	1.00	1.00
	Crow, American	1996	1	1	2	2	2.00	2.00
	Cuckoo, Black-billed	1992	1	1	1	1	1.00	1.00
	Dove, Mourning	1991	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Duck, Wood	1991	1	0	1	0	1.00	0.00
	Finch, Purple	1991	1	0	1	0	1.00	0.00
	Flicker, Northern	1993	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Flycatcher, Great-crested	1991	1	1	5	5	5.00	5.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Goldfinch, American	1995	1	1	1	1	1.00	1.00
	Grackle, Common	1996	1	0	3	0	3.00	0.00
	Grosbeak, Rose-breasted	1991	1	1	1	1	1.00	1.00
		1992	1	1	5	5	5.00	5.00
		1994	1	1	2	1	2.00	1.00
		1996	1	1	1	1	1.00	1.00
	Grouse, Ruffed	1991	1	0	1	0	1.00	0.00
		1992	1	1	2	1	2.00	1.00
	Hawk, Red-shouldered	1996	1	1	1	1	1.00	1.00
	Hawk, Red-tailed	1994	1	1	1	1	1.00	1.00
		1995	1	1	3	2	2.00	1.00
		1996	1	1	1	1	1.00	1.00
	Jay, Blue	1991	1	1	2	2	2.00	2.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	4	4	4.00	4.00
		1997	1	1	2	2	2.00	2.00
	Junco, Dark-eyed	1991	1	1	11	11	11.00	11.00
		1992	1	0	2	0	2.00	0.00
		1993	1	1	1	1	1.00	1.00
	Kestrel, American	1993	1	1	1	1	1.00	1.00
	Mallard	1991	1	0	2	0	2.00	0.00
	Nuthatch, White-breasted	1991	1	1	1	1	1.00	1.00
		1992	1	1	2	2	2.00	2.00
	Oriole, Northern	1991	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
	Ovenbird	1991	1	0	1	0	1.00	0.00
		1992	1	1	3	3	3.00	3.00
		1994	1	0	1	0	1.00	0.00
		1996	1	1	1	1	1.00	1.00
	Pewee, Eastern Wood	1991	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	2	2	2.00	2.00
	Robin, American	1991	1	1	4	4	4.00	4.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
	Sparrow, Chipping	1991	1	1	4	4	4.00	4.00
		1995	1	1	2	2	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Sparrow, Field	1991	1	1	4	4	4.00	4.00
		1992	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Tanager, Scarlet	1992	1	1	2	2	2.00	2.00
		1993	1	0	1	0	1.00	0.00
		1994	1	1	2	1	2.00	1.00
		1996	1	1	2	2	2.00	2.00
	Thrush, Hermit	1991	1	1	3	3	3.00	3.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	1	1	1.00	1.00
		1994	1	0	1	0	1.00	0.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Thrush, Wood	1992	1	1	4	3	4.00	3.00
		1993	1	0	1	0	1.00	0.00
		1994	1	1	1	1	1.00	1.00
	Titmouse, Tufted	1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Towhee, Rufous-sided	1991	1	1	3	3	3.00	3.00
		1992	1	1	5	5	5.00	5.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Turkey, Wild	1994	1	0	1	0	1.00	0.00
		1995	1	1	1	1	1.00	1.00
	Veery	1992	1	0	1	0	1.00	0.00
		1996	1	1	1	1	1.00	1.00
	Vireo, Red-eyed	1991	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Vireo, Yellow-throated	1994	1	0	2	0	2.00	0.00
	Vulture, Turkey	1991	1	0	1	0	1.00	0.00
		1997	1	0	2	0	2.00	0.00
	Warbler, Black-and-white	1991	1	1	2	2	2.00	2.00
		1992	1	1	2	1	2.00	1.00
		1993	1	1	2	2	2.00	2.00
		1994	1	0	1	0	1.00	0.00
		1995	1	1	4	4	3.00	3.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	2	2	2.00	2.00
	Warbler, Cerulean	1992	1	1	1	1	1.00	1.00
	Warbler, Golden-winged	1996	1	0	1	0	1.00	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot. Birds	Ave Site Birds
	Warbler, Prairie	1993	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Warbler, Worm-eating	1992	1	1	1	1	1.00	1.00
	Waterthrush, Louisiana	1992	1	0	1	0	1.00	0.00
	Waxwing, Cedar	1991	1	1	31	31	31.00	31.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Woodpecker, Downy	1991	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
	Woodpecker, Hairy	1991	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
	Woodpecker, Pileated	1992	1	1	2	2	2.00	2.00
		1993	1	1	1	1	1.00	1.00
	Woodpecker, Red-bellied	1995	1	1	1	1	1.00	1.00
CHESTNUT OAK	Blackbird, Red-winged	1993	7	0	1	0	0.14	0.00
		1994	7	0	4	0	0.57	0.00
		1996	7	1	2	2	0.29	0.29
		1997	7	1	2	1	0.29	0.14
	Bluebird, Eastern	1992	7	1	1	1	0.14	0.14
		1994	7	2	2	2	0.29	0.29
		1995	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
	Brant	1995	7	0	150	0	21.43	0.00
	Bunting, Indigo	1991	7	0	1	0	0.14	0.00
		1992	7	0	1	0	0.14	0.00
		1994	7	0	1	0	0.14	0.00
	Cardinal, Northern	1992	7	1	1	1	0.14	0.14
		1995	7	1	1	1	0.14	0.14
	Catbird, Gray	1992	7	1	1	1	0.14	0.14
		1993	7	0	1	0	0.14	0.00
		1995	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
		1997	7	1	1	1	0.14	0.14
	Chickadee, Black-capped	1991	7	1	2	1	0.29	0.14
		1992	7	2	2	2	0.29	0.29
		1993	7	2	3	3	0.43	0.43
		1995	7	2	3	3	0.43	0.43
		1997	7	1	1	1	0.14	0.14
	Cowbird, Brown-headed	1991	7	1	1	1	0.14	0.14
		1994	7	1	1	1	0.14	0.14
		1995	7	2	2	2	0.29	0.29
		1996	7	2	2	2	0.29	0.29
		1997	7	1	1	1	0.14	0.14
	Creeper, Brown	1993	7	1	1	1	0.14	0.14

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Crow, American	1991	7	1	1	1	0.14	0.14
		1993	7	1	4	3	0.57	0.43
		1994	7	1	1	1	0.14	0.14
		1995	7	3	3	3	0.43	0.43
		1996	7	2	6	6	0.86	0.86
		1997	7	1	2	2	0.29	0.29
	Cuckoo, Black-billed	1994	7	1	1	1	0.14	0.14
		1995	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
	Cuckoo, Yellow-billed	1995	7	1	1	1	0.14	0.14
	Dove, Mourning	1992	7	1	1	1	0.14	0.14
		1994	7	0	3	0	0.43	0.00
		1997	7	1	1	1	0.14	0.14
	Flicker, Northern	1991	7	4	7	7	1.00	1.00
		1992	7	5	14	14	1.71	1.71
		1993	7	5	8	8	1.00	1.00
		1994	7	3	4	4	0.57	0.57
		1995	7	4	6	6	0.86	0.86
		1996	7	1	1	1	0.14	0.14
		1997	7	2	2	2	0.29	0.29
	Flycatcher, Acadian	1995	7	0	1	0	0.14	0.00
	Flycatcher, Great-crested	1991	7	3	5	5	0.71	0.71
		1992	7	7	17	16	2.29	2.14
		1993	7	5	8	8	1.14	1.14
		1994	7	6	12	12	1.71	1.71
		1995	7	5	8	8	1.14	1.14
		1996	7	7	10	10	1.43	1.43
		1997	7	6	13	13	1.86	1.86
	Gnatcatcher, Blue-gray	1991	7	0	1	0	0.14	0.00
		1996	7	1	2	2	0.29	0.29
	Goldfinch, American	1992	7	1	5	2	0.71	0.29
		1993	7	1	2	1	0.29	0.14
		1996	7	0	1	0	0.14	0.00
	Goose, Canada	1997	7	0	2	0	0.29	0.00
	Grackle, Common	1995	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
	Grosbeak, Rose-breasted	1991	7	3	13	13	1.86	1.86
		1992	7	3	6	5	0.86	0.71
		1993	7	3	3	3	0.43	0.43
		1994	7	1	2	2	0.29	0.29
		1995	7	3	5	5	0.71	0.71
		1997	7	1	2	2	0.14	0.14
	Grouse, Ruffed	1991	7	1	2	2	0.29	0.29
		1992	7	1	1	1	0.14	0.14
	Hawk, Broad-winged	1992	7	1	1	1	0.14	0.14
	Hawk, Red-tailed	1992	7	0	1	0	0.14	0.00
		1994	7	0	1	0	0.14	0.00
		1996	7	2	3	3	0.29	0.29

Installation Summary by Vegetation Groupings

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Jay, Blue	1991	7	6	17	17	2.43	2.43
		1992	7	7	18	18	2.57	2.57
		1993	7	5	17	15	2.43	2.14
		1994	7	4	7	7	1.00	1.00
		1995	7	5	6	6	0.86	0.86
		1996	7	4	10	10	1.43	1.43
		1997	7	6	13	13	1.86	1.86
	Killdeer	1997	7	1	1	1	0.14	0.14
	Kingbird, Eastern	1995	7	1	1	1	0.14	0.14
	Mallard	1992	7	1	1	1	0.14	0.14
	Mockingbird, Northern	1991	7	1	1	1	0.14	0.14
	Nuthatch, White-breasted	1991	7	1	1	1	0.14	0.14
		1992	7	2	4	4	0.57	0.57
		1993	7	2	2	2	0.29	0.29
		1994	7	3	4	4	0.57	0.57
		1995	7	3	3	3	0.43	0.43
		1996	7	3	4	4	0.57	0.57
		1997	7	4	6	6	0.86	0.86
	Oriole, Northern	1991	7	1	4	2	0.57	0.29
		1992	7	7	13	13	1.86	1.86
		1993	7	3	7	7	1.00	1.00
		1994	7	2	7	5	1.00	0.71
		1995	7	4	8	8	1.14	1.14
		1996	7	3	7	7	1.00	1.00
		1997	7	3	8	8	1.14	1.14
	Ovenbird	1991	7	5	43	43	6.14	6.14
		1992	7	7	19	19	2.71	2.71
		1993	7	7	17	17	2.29	2.29
		1994	7	7	17	17	2.43	2.43
		1995	7	7	15	15	2.14	2.14
		1996	7	7	16	16	2.29	2.29
		1997	7	6	14	14	2.00	2.00
	Owl, Barred	1991	7	0	1	0	0.14	0.00
		1995	7	0	1	0	0.14	0.00
		1996	7	1	1	1	0.14	0.14
	Owl, Long-eared	1997	7	1	1	1	0.14	0.14
	Pewee, Eastern Wood	1991	7	6	27	27	3.86	3.86
		1992	7	5	6	6	0.86	0.86
		1993	7	4	7	7	1.00	1.00
		1994	7	6	9	9	1.29	1.29
		1995	7	5	10	10	1.43	1.43
		1996	7	5	7	7	1.00	1.00
		1997	7	7	12	12	1.71	1.71
	Phoebe, Eastern	1991	7	1	2	2	0.29	0.29
		1992	7	1	2	1	0.29	0.14
		1993	7	1	2	2	0.14	0.14
		1994	7	0	1	0	0.14	0.00
		1995	7	1	1	1	0.14	0.14
	Rail, Virginia	1995	7	0	1	0	0.14	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Redstart, American	1991	7	1	2	2	0.29	0.29
		1992	7	3	5	5	0.71	0.71
		1993	7	1	1	1	0.14	0.14
		1996	7	2	8	8	1.14	1.14
	Robin, American	1991	7	3	10	10	1.43	1.43
		1992	7	2	4	4	0.57	0.57
		1993	7	2	2	2	0.29	0.29
		1994	7	3	4	3	0.57	0.43
		1995	7	3	3	3	0.43	0.43
		1996	7	2	7	7	1.00	1.00
		1997	7	3	4	4	0.57	0.57
	Sparrow, Chipping	1991	7	0	1	0	0.14	0.00
		1992	7	1	5	5	0.71	0.71
		1994	7	1	1	1	0.14	0.14
		1996	7	3	6	6	0.71	0.71
		1997	7	1	4	4	0.43	0.43
	Sparrow, Field	1991	7	1	3	3	0.43	0.43
		1992	7	2	3	3	0.43	0.43
		1993	7	1	2	2	0.14	0.14
		1994	7	1	1	1	0.14	0.14
		1997	7	2	4	4	0.57	0.57
	Sparrow, Song	1991	7	1	1	1	0.14	0.14
		1995	7	1	1	1	0.14	0.14
	Swallow, Tree	1997	7	1	1	1	0.14	0.14
	Tanager, Scarlet	1991	7	3	13	11	1.86	1.57
		1992	7	7	26	26	3.71	3.71
		1993	7	5	9	8	1.29	1.14
		1994	7	6	14	14	2.00	2.00
		1995	7	5	8	8	1.14	1.14
		1996	7	7	13	13	1.71	1.71
		1997	7	6	15	15	1.71	1.71
	Thrasher, Brown	1993	7	1	1	1	0.14	0.14
	Thrush, Hermit	1991	7	4	10	10	1.43	1.43
		1992	7	4	12	12	1.71	1.71
		1993	7	0	1	0	0.14	0.00
		1994	7	1	1	1	0.14	0.14
		1995	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
		1997	7	1	1	1	0.14	0.14
	Thrush, Swainson's	1995	7	1	1	1	0.14	0.14
		1996	7	1	2	2	0.29	0.29
	Thrush, Wood	1991	7	5	23	23	3.29	3.29
		1992	7	7	15	14	2.14	2.00
		1993	7	4	6	6	0.86	0.86
		1994	7	5	12	12	1.71	1.71
		1995	7	5	9	9	1.29	1.29
		1996	7	3	6	6	0.86	0.86
		1997	7	5	11	11	1.57	1.57

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Titmouse, Tufted	1991	7	6	9	9	1.29	1.29
		1992	7	6	14	14	1.86	1.86
		1993	7	3	4	4	0.57	0.57
		1994	7	3	5	5	0.71	0.71
		1995	7	4	5	5	0.71	0.71
		1996	7	3	5	5	0.71	0.71
		1997	7	2	2	2	0.29	0.29
	Towhee, Rufous-sided	1991	7	3	10	10	1.43	1.43
		1992	7	5	11	11	1.57	1.57
		1993	7	3	7	7	1.00	1.00
		1994	7	3	7	7	1.00	1.00
		1995	7	6	13	13	1.86	1.86
		1996	7	3	5	5	0.71	0.71
		1997	7	3	9	9	1.29	1.29
	Turkey, Wild	1994	7	1	1	1	0.14	0.14
		1995	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
		1997	7	2	2	2	0.29	0.29
	Veery	1991	7	1	2	2	0.29	0.29
		1992	7	1	1	1	0.14	0.14
		1993	7	2	2	2	0.29	0.29
		1994	7	3	3	3	0.43	0.43
		1995	7	2	2	2	0.29	0.29
		1996	7	1	1	1	0.14	0.14
		1997	7	1	1	1	0.14	0.14
	Vireo, Red-eyed	1991	7	4	18	18	2.57	2.57
		1992	7	6	12	12	1.71	1.71
		1993	7	5	11	11	1.57	1.57
		1994	7	5	12	12	1.71	1.71
		1995	7	4	8	8	1.14	1.14
		1996	7	4	9	9	1.29	1.29
		1997	7	5	13	13	1.86	1.86
	Vireo, Solitary	1991	7	1	2	2	0.29	0.29
	Vireo, Yellow-throated	1992	7	1	1	1	0.14	0.14
		1993	7	1	2	2	0.29	0.29
		1994	7	2	3	3	0.43	0.43
		1995	7	1	1	1	0.14	0.14
		1996	7	4	5	5	0.71	0.71
		1997	7	2	3	3	0.43	0.43
	Vulture, Turkey	1993	7	0	12	0	1.71	0.00
		1995	7	0	1	0	0.14	0.00
		1996	7	0	1	0	0.14	0.00
	Warbler, Black-and-white	1991	7	5	13	12	1.86	1.71
		1992	7	6	12	12	1.71	1.71
		1993	7	2	2	2	0.29	0.29
		1994	7	6	7	6	1.00	0.86
		1995	7	5	7	7	1.00	1.00
		1996	7	3	3	3	0.43	0.43
		1997	7	3	5	5	0.71	0.71
	Warbler, Blue-winged	1992	7	0	1	0	0.14	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Warbler, Cerulean	1996	7	1	1	1	0.14	0.14
	Warbler, Hooded	1994	7	1	1	1	0.14	0.14
	Warbler, Prairie	1991	7	0	2	0	0.29	0.00
		1992	7	1	2	1	0.29	0.14
		1993	7	0	1	0	0.14	0.00
		1994	7	1	3	2	0.43	0.29
	Warbler, Worm-eating	1992	7	2	4	3	0.57	0.43
		1994	7	1	1	1	0.14	0.14
		1996	7	1	1	1	0.14	0.14
		1997	7	2	2	2	0.29	0.29
	Warbler, Yellow	1991	7	1	2	2	0.29	0.29
		1993	7	0	1	0	0.14	0.00
		1994	7	0	2	0	0.29	0.00
		1996	7	1	1	1	0.14	0.14
		1997	7	1	1	1	0.14	0.14
	Warbler, Yellow-rumped	1997	7	1	1	1	0.14	0.14
	Waterthrush, Louisiana	1992	7	1	1	1	0.14	0.14
		1993	7	2	2	2	0.29	0.29
		1994	7	1	2	2	0.14	0.14
		1995	7	1	2	2	0.29	0.29
		1996	7	1	2	2	0.29	0.29
		1997	7	1	1	1	0.14	0.14
	Waterthrush, Northern	1992	7	1	4	4	0.57	0.57
		1997	7	1	1	1	0.14	0.14
	Waxwing, Cedar	1991	7	3	3	3	0.43	0.43
		1992	7	1	1	1	0.14	0.14
		1993	7	4	12	12	1.71	1.71
		1994	7	4	13	13	1.86	1.86
		1996	7	3	4	4	0.57	0.57
		1997	7	2	2	2	0.29	0.29
	Woodpecker, Downy	1991	7	1	1	1	0.14	0.14
		1992	7	1	2	2	0.29	0.29
		1994	7	2	2	2	0.29	0.29
		1995	7	3	3	3	0.43	0.43
		1996	7	1	1	1	0.14	0.14
	Woodpecker, Hairy	1993	7	3	3	3	0.43	0.43
		1994	7	2	2	2	0.29	0.29
		1995	7	3	5	5	0.71	0.71
		1996	7	1	1	1	0.14	0.14
		1997	7	3	3	3	0.43	0.43
	Woodpecker, Pileated	1991	7	1	2	1	0.29	0.14
		1992	7	1	2	1	0.29	0.14
		1997	7	1	1	1	0.14	0.14
	Woodpecker, Red-bellied	1992	7	3	4	3	0.57	0.43
		1993	7	2	2	2	0.29	0.29
		1994	7	1	1	1	0.14	0.14
		1995	7	1	1	1	0.14	0.14
		1996	7	4	5	5	0.71	0.71
		1997	7	1	1	1	0.14	0.14
	Wren, Winter	1997	7	1	1	1	0.14	0.14

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Yellowthroat, Common	1991	7	1	1	1	0.14	0.14
		1994	7	0	1	0	0.14	0.00
		1996	7	1	1	1	0.14	0.14
		1997	7	1	1	1	0.14	0.14
HEMLOCK-NORTHERN HARDWOOD	Cardinal, Northern	1992	1	1	1	1	1.00	1.00
	Catbird, Gray	1991	1	1	3	3	3.00	3.00
		1995	1	1	1	1	1.00	1.00
	Chickadee, Black-capped	1995	1	1	3	3	3.00	3.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Cowbird, Brown-headed	1991	1	1	1	1	1.00	1.00
		1993	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Crow, American	1991	1	1	1	1	1.00	1.00
		1995	1	1	4	4	4.00	4.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	3	3	3.00	3.00
	Duck, Wood	1994	1	1	1	1	1.00	1.00
		1995	1	0	1	0	1.00	0.00
	Flicker, Northern	1991	1	1	5	5	5.00	5.00
		1993	1	1	1	1	1.00	1.00
	Flycatcher, Great-crested	1991	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
	Gnatcatcher, Blue-gray	1992	1	1	2	2	2.00	2.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
	Goldfinch, American	1991	1	1	1	1	1.00	1.00
		1994	1	1	8	8	8.00	8.00
	Grackle, Common	1997	1	1	1	1	1.00	1.00
	Grouse, Ruffed	1992	1	1	2	2	2.00	2.00
	Heron, Great Blue	1995	1	0	1	0	1.00	0.00
	Jay, Blue	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
	Nuthatch, White-breasted	1991	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
	Oriole, Northern	1996	1	1	1	1	1.00	1.00
	Ovenbird	1992	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
	Owl, Barred	1994	1	0	1	0	1.00	0.00
	Pewee, Eastern Wood	1993	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
	Phoebe, Eastern	1991	1	1	4	4	4.00	4.00
		1992	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Redstart, American	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
	Robin, American	1991	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Sparrow, Chipping	1991	1	1	3	3	3.00	3.00
		1992	1	1	5	5	5.00	5.00
		1993	1	1	3	3	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	4	4	3.00	3.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	4	4	3.00	3.00
	Swift, Chimney	1995	1	1	1	1	1.00	1.00
	Tanager, Scarlet	1991	1	1	3	3	3.00	3.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1996	1	1	3	3	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Thrush, Hermit	1992	1	1	1	1	1.00	1.00
	Thrush, Wood	1991	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Towhee, Rufous-sided	1995	1	1	1	1	1.00	1.00
	Turkey, Wild	1997	1	1	1	1	1.00	1.00
	Veery	1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	3	3	3.00	3.00
		1997	1	1	2	2	2.00	2.00
	Vireo, Red-eyed	1991	1	1	2	2	2.00	2.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Vireo, Solitary	1993	1	1	2	2	1.00	1.00
		1994	1	1	2	2	1.00	1.00
		1995	1	1	3	3	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Vireo, Yellow-throated	1995	1	1	3	3	2.00	2.00
	Vulture, Turkey	1996	1	0	1	0	1.00	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Warbler, Black-and-white	1991	1	1	7	7	7.00	7.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	3	3	3.00	3.00
		1996	1	1	4	4	3.00	3.00
		1997	1	1	1	1	1.00	1.00
	Warbler, Black-throated Green	1992	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Warbler, Pine	1993	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
	Warbler, Yellow	1995	1	1	1	1	1.00	1.00
	Waterthrush, Louisiana	1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Waxwing, Cedar	1991	1	1	1	1	1.00	1.00
		1994	1	1	3	3	3.00	3.00
	Woodpecker, Pileated	1992	1	1	1	1	1.00	1.00
	Woodpecker, Red-bellied	1991	1	1	1	1	1.00	1.00
MAPLE BEECH MESIC	Cardinal, Northern	1992	2	1	1	1	0.50	0.50
	Catbird, Gray	1995	2	1	1	1	0.50	0.50
	Chickadee, Black-capped	1991	2	1	1	1	0.50	0.50
		1992	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
	Cowbird, Brown-headed	1991	2	2	3	3	1.50	1.50
		1994	2	1	1	1	0.50	0.50
		1995	2	1	2	2	0.50	0.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Creeper, Brown	1991	2	1	1	1	0.50	0.50
	Cuckoo, Black-billed	1994	2	1	1	1	0.50	0.50
	Cuckoo, Yellow-billed	1995	2	1	1	1	0.50	0.50
	Dove, Mourning	1995	2	1	1	1	0.50	0.50
	Flicker, Northern	1991	2	2	7	7	3.50	3.50
		1992	2	2	2	2	1.00	1.00
		1993	2	2	6	6	3.00	3.00
		1994	2	2	7	7	2.50	2.50
		1995	2	2	2	2	1.00	1.00
		1996	2	2	3	3	1.50	1.50
		1997	2	1	2	2	1.00	1.00
	Flycatcher, Great-crested	1991	2	2	4	4	2.00	2.00
		1992	2	1	1	1	0.50	0.50
		1993	2	1	2	1	1.00	0.50
		1995	2	2	2	2	1.00	1.00
		1996	2	1	2	2	1.00	1.00
		1997	2	2	2	2	1.00	1.00
	Goldfinch, American	1992	2	0	1	0	0.50	0.00
	Goose, Canada	1993	2	0	1	0	0.50	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Grackle, Common	1995	2	1	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Grosbeak, Rose-breasted	1991	2	2	15	15	7.50	7.50
		1992	2	2	4	4	2.00	2.00
		1993	2	2	7	7	2.50	2.50
		1994	2	2	4	4	2.00	2.00
		1995	2	2	6	6	3.00	3.00
		1996	2	2	7	7	3.00	3.00
		1997	2	2	4	4	2.00	2.00
	Grouse, Ruffed	1996	2	0	7	0	3.50	0.00
	Hawk, Cooper's	1996	2	0	1	0	0.50	0.00
	Hawk, Red-tailed	1992	2	1	1	1	0.50	0.50
		1997	2	1	2	1	1.00	0.50
	Heron, Great Blue	1997	2	0	1	0	0.50	0.00
	Jay, Blue	1991	2	2	5	5	2.50	2.50
		1992	2	2	11	11	5.00	5.00
		1993	2	2	9	9	4.50	4.50
		1994	2	2	4	4	2.00	2.00
		1995	2	1	1	1	0.50	0.50
		1996	2	2	4	4	2.00	2.00
		1997	2	2	3	3	1.50	1.50
	Nuthatch, White-breasted	1994	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Oriole, Northern	1992	2	2	4	4	2.00	2.00
		1993	2	2	5	5	2.50	2.50
		1994	2	2	4	4	2.00	2.00
		1995	2	2	3	3	1.50	1.50
		1996	2	2	4	4	2.00	2.00
		1997	2	2	3	3	1.50	1.50
	Ovenbird	1991	2	2	2	2	1.00	1.00
		1992	2	1	2	2	1.00	1.00
		1993	2	1	1	1	0.50	0.50
		1994	2	2	3	3	1.50	1.50
		1995	2	2	2	2	1.00	1.00
		1996	2	1	2	2	1.00	1.00
		1997	2	2	2	2	1.00	1.00
	Pewee, Eastern Wood	1991	2	2	5	5	2.50	2.50
		1993	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	2	3	3	1.50	1.50
		1996	2	1	2	2	1.00	1.00
		1997	2	2	5	5	2.00	2.00
	Phoebe, Eastern	1991	2	1	6	6	3.00	3.00
		1992	2	1	2	2	1.00	1.00
		1993	2	1	2	2	1.00	1.00
		1995	2	1	1	1	0.50	0.50
		1996	2	2	2	2	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Redstart, American	1991	2	1	2	2	1.00	1.00
		1992	2	1	1	1	0.50	0.50
		1993	2	1	1	1	0.50	0.50
		1994	2	1	2	2	1.00	1.00
		1997	2	2	2	2	1.00	1.00
	Robin, American	1991	2	2	4	4	2.00	2.00
		1992	2	1	11	11	5.50	5.50
		1993	2	2	3	3	1.50	1.50
		1994	2	2	7	7	3.50	3.50
		1995	2	2	3	3	1.50	1.50
		1996	2	2	5	5	2.00	2.00
		1997	2	2	7	7	3.50	3.50
	Sparrow, Chipping	1996	2	1	1	1	0.50	0.50
	Swift, Chimney	1997	2	1	4	4	2.00	2.00
	Tanager, Scarlet	1991	2	2	10	10	5.00	5.00
		1992	2	2	5	5	2.00	2.00
		1993	2	2	3	3	1.50	1.50
		1994	2	2	5	5	2.50	2.50
		1995	2	2	6	6	2.50	2.50
		1996	2	2	4	4	2.00	2.00
		1997	2	2	6	6	3.00	3.00
	Thrush, Hermit	1991	2	1	1	1	0.50	0.50
		1992	2	0	1	0	0.50	0.00
	Thrush, Wood	1991	2	2	22	22	11.00	11.00
		1992	2	2	8	8	4.00	4.00
		1993	2	2	8	8	4.00	4.00
		1994	2	2	15	15	7.50	7.50
		1995	2	2	6	6	3.00	3.00
		1996	2	2	4	4	2.00	2.00
		1997	2	2	7	7	3.50	3.50
	Titmouse, Tufted	1991	2	1	1	1	0.50	0.50
		1992	2	1	1	1	0.50	0.50
		1993	2	2	2	2	1.00	1.00
		1994	2	1	1	1	0.50	0.50
		1996	2	2	3	3	1.50	1.50
	Towhee, Rufous-sided	1992	2	1	1	1	0.50	0.50
		1993	2	1	1	1	0.50	0.50
		1995	2	1	2	2	1.00	1.00
	Turkey, Wild	1993	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
	Veery	1994	2	1	1	1	0.50	0.50
		1995	2	2	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Vireo, Red-eyed	1991	2	2	7	7	3.50	3.50
		1992	2	2	6	6	2.50	2.50
		1993	2	2	5	5	2.50	2.50
		1994	2	2	4	4	2.00	2.00
		1995	2	2	3	3	1.50	1.50
		1996	2	2	5	5	2.50	2.50
		1997	2	2	6	6	3.00	3.00
	Vireo, Warbling	1992	2	0	1	0	0.50	0.00
	Vireo, Yellow-throated	1992	2	0	1	0	0.50	0.00
	Warbler, Black-and-white	1991	2	1	5	5	2.50	2.50
		1992	2	1	4	3	1.50	1.00
		1994	2	2	3	3	1.50	1.50
		1995	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	2	2	1.00	1.00
	Warbler, Blackpoll	1992	2	1	2	2	1.00	1.00
	Warbler, Worm-eating	1991	2	1	4	4	2.00	2.00
		1992	2	1	1	1	0.50	0.50
		1993	2	1	3	2	1.50	1.00
		1994	2	1	1	1	0.50	0.50
		1995	2	2	3	3	1.50	1.50
		1997	2	1	1	1	0.50	0.50
	Waterthrush, Louisiana	1991	2	0	1	0	0.50	0.00
		1992	2	2	2	2	1.00	1.00
	Waxwing, Cedar	1991	2	2	2	2	1.00	1.00
		1996	2	1	2	2	1.00	1.00
	Whip-poor-will	1992	2	0	1	0	0.50	0.00
	Woodcock, American	1991	2	0	1	0	0.50	0.00
		1993	2	0	1	0	0.50	0.00
	Woodpecker, Downy	1991	2	1	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Woodpecker, Hairy	1991	2	1	3	3	1.50	1.50
		1992	2	1	1	1	0.50	0.50
		1993	2	2	3	3	1.00	1.00
		1995	2	1	2	2	1.00	1.00
		1996	2	2	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Woodpecker, Pileated	1994	2	0	1	0	0.50	0.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Woodpecker, Red-bellied	1991	2	2	9	9	4.50	4.50
		1993	2	2	3	3	1.50	1.50
		1994	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1996	2	2	2	2	1.00	1.00
		1997	2	1	2	2	1.00	1.00
	Wren, Carolina	1997	2	1	1	1	0.50	0.50
	Wren, Winter	1993	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
OAK-HICKORY	Bittern, American	1993	14	1	1	1	0.07	0.07
	Blackbird, Red-winged	1991	14	1	18	18	1.29	1.29
		1992	14	0	6	0	0.43	0.00
		1993	14	1	7	7	0.50	0.50
		1994	14	1	15	15	1.07	1.07
		1995	14	1	9	9	0.64	0.64
		1996	14	1	13	13	0.57	0.57
		1997	14	1	15	11	1.07	0.79
	Bluebird, Eastern	1995	14	1	2	2	0.14	0.14
	Bunting, Indigo	1991	14	1	2	1	0.14	0.07
		1992	14	1	2	1	0.14	0.07
		1993	14	1	2	1	0.14	0.07
		1994	14	3	5	4	0.36	0.29
		1995	14	0	1	0	0.07	0.00
		1996	14	1	1	1	0.07	0.07
		1997	14	2	2	2	0.14	0.14
	Cardinal, Northern	1991	14	1	3	3	0.21	0.21
		1995	14	1	1	1	0.07	0.07
		1997	14	1	2	2	0.14	0.14
	Catbird, Gray	1992	14	2	2	2	0.14	0.14
		1993	14	2	2	2	0.14	0.14
		1994	14	2	3	3	0.21	0.21
		1995	14	2	3	3	0.21	0.21
		1997	14	1	1	1	0.07	0.07
	Chickadee, Black-capped	1991	14	5	15	14	1.07	1.00
		1992	14	5	12	11	0.79	0.71
		1993	14	5	8	8	0.57	0.57
		1994	14	1	3	1	0.21	0.07
		1995	14	4	5	5	0.36	0.36
		1996	14	2	2	2	0.14	0.14
		1997	14	2	3	3	0.21	0.21
	Cowbird, Brown-headed	1991	14	3	3	3	0.21	0.21
		1992	14	5	11	10	0.79	0.71
		1993	14	2	2	2	0.14	0.14
		1994	14	3	3	3	0.21	0.21
		1995	14	5	10	10	0.50	0.50
		1996	14	6	6	6	0.43	0.43
		1997	14	8	15	15	1.00	1.00
	Creeper, Brown	1991	14	1	4	3	0.29	0.21
	Crow, American	1991	14	1	3	3	0.21	0.21
		1992	14	2	6	5	0.43	0.36
		1993	14	5	17	14	1.21	1.00
		1994	14	6	14	14	1.00	1.00
		1995	14	5	9	9	0.64	0.64
		1996	14	3	7	7	0.50	0.50
		1997	14	5	6	6	0.43	0.43
	Cuckoo, Black-billed	1994	14	0	1	0	0.07	0.00
		1995	14	1	2	1	0.14	0.07
		1997	14	2	2	2	0.14	0.14
	Cuckoo, Yellow-billed	1995	14	2	2	2	0.14	0.14

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Dove, Mourning	1993	14	2	3	3	0.21	0.21
		1994	14	1	1	1	0.07	0.07
		1995	14	2	2	2	0.14	0.14
		1996	14	2	2	2	0.14	0.14
		1997	14	3	3	3	0.21	0.21
	Duck, American Black	1994	14	1	1	1	0.07	0.07
	Duck, Wood	1991	14	1	28	28	2.00	2.00
		1992	14	1	3	2	0.14	0.07
		1993	14	1	1	1	0.07	0.07
		1994	14	1	1	1	0.07	0.07
		1995	14	1	1	1	0.07	0.07
		1996	14	1	1	1	0.07	0.07
	Flicker, Northern	1991	14	7	15	14	1.07	1.00
		1992	14	9	18	17	1.29	1.21
		1993	14	10	15	13	1.07	0.93
		1994	14	10	15	15	1.07	1.07
		1995	14	7	14	14	1.00	1.00
		1996	14	10	15	15	0.86	0.86
		1997	14	5	6	6	0.43	0.43
	Flycatcher, Acadian	1995	14	0	1	0	0.07	0.00
		1997	14	1	2	2	0.14	0.14
	Flycatcher, Great-crested	1991	14	6	10	9	0.71	0.64
		1992	14	7	17	16	1.14	1.07
		1993	14	8	14	13	0.93	0.86
		1994	14	9	16	15	1.14	1.07
		1995	14	12	18	18	1.29	1.29
		1996	14	6	12	12	0.79	0.79
		1997	14	10	17	17	1.21	1.21
	Gnatcatcher, Blue-gray	1992	14	3	4	4	0.29	0.29
		1994	14	2	3	2	0.21	0.14
		1995	14	2	3	3	0.21	0.21
	Goldfinch, American	1991	14	1	1	1	0.07	0.07
		1992	14	3	5	3	0.36	0.21
		1993	14	0	1	0	0.07	0.00
		1994	14	1	2	2	0.07	0.07
		1995	14	1	11	1	0.79	0.07
		1996	14	2	3	2	0.21	0.14
		1997	14	1	3	1	0.21	0.07
	Goose, Canada	1991	14	1	3	2	0.21	0.14
		1992	14	0	9	0	0.64	0.00
		1993	14	0	8	0	0.57	0.00
		1994	14	1	5	5	0.36	0.36
		1996	14	0	4	0	0.29	0.00
		1997	14	1	7	4	0.50	0.29
	Grackle, Common	1991	14	1	1	1	0.07	0.07
		1992	14	0	2	0	0.14	0.00
		1993	14	2	2	2	0.14	0.14
		1994	14	2	2	2	0.14	0.14
		1996	14	2	6	5	0.43	0.36
		1997	14	1	2	2	0.14	0.14

Installation Summary by Vegetation Groupings

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Grebe, Pied-billed	1994	14	0	1	0	0.07	0.00
	Grosbeak, Rose-breasted	1991	14	7	16	15	1.14	1.07
		1992	14	8	15	14	1.07	1.00
		1993	14	7	11	11	0.71	0.71
		1994	14	6	9	8	0.64	0.57
		1995	14	7	8	8	0.50	0.50
		1996	14	4	6	6	0.43	0.43
		1997	14	6	9	9	0.64	0.64
	Grouse, Ruffed	1992	14	1	1	1	0.07	0.07
		1995	14	1	1	1	0.07	0.07
		1996	14	1	1	1	0.07	0.07
	Hawk, Cooper's	1996	14	1	1	1	0.07	0.07
	Hawk, Red-shouldered	1996	14	1	1	1	0.07	0.07
	Hawk, Red-tailed	1991	14	1	4	2	0.29	0.14
		1992	14	1	2	1	0.14	0.07
		1993	14	2	3	2	0.21	0.14
		1994	14	0	1	0	0.07	0.00
		1995	14	0	1	0	0.07	0.00
		1996	14	6	8	6	0.57	0.43
		1997	14	2	2	2	0.14	0.14
	Hawk, Sharp-shinned	1996	14	1	1	1	0.07	0.07
	Heron, Green-backed	1992	14	1	1	1	0.07	0.07
	Jay, Blue	1991	14	11	28	28	2.00	2.00
		1992	14	10	33	33	2.29	2.29
		1993	14	13	29	26	2.00	1.79
		1994	14	8	16	15	1.14	1.07
		1995	14	8	11	11	0.79	0.79
		1996	14	13	33	33	2.36	2.36
		1997	14	8	13	13	0.93	0.93
	Killdeer	1991	14	1	7	3	0.50	0.21
	Kingbird, Eastern	1991	14	1	1	1	0.07	0.07
		1992	14	0	1	0	0.07	0.00
		1993	14	1	3	3	0.14	0.14
		1994	14	1	1	1	0.07	0.07
		1995	14	2	2	2	0.14	0.14
	Kingfisher, Belted	1991	14	0	1	0	0.07	0.00
	Nuthatch, White-breasted	1991	14	3	9	9	0.64	0.64
		1992	14	3	6	4	0.43	0.29
		1993	14	7	11	10	0.64	0.57
		1994	14	2	7	5	0.50	0.36
		1995	14	5	5	5	0.36	0.36
		1996	14	3	3	3	0.21	0.21
		1997	14	5	6	6	0.43	0.43
	Oriole, Northern	1991	14	7	33	32	2.36	2.29
		1992	14	9	31	30	2.21	2.14
		1993	14	5	10	7	0.71	0.50
		1994	14	10	19	18	1.36	1.29
		1995	14	11	17	17	1.14	1.14
		1996	14	11	19	19	1.36	1.36
		1997	14	9	18	18	1.21	1.21

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Ovenbird	1991	14	11	48	48	3.43	3.43
		1992	14	5	35	34	2.29	2.21
		1993	14	8	16	16	1.14	1.14
		1994	14	7	19	16	1.36	1.14
		1995	14	8	22	22	1.50	1.50
		1996	14	10	19	19	1.36	1.36
		1997	14	13	30	30	2.14	2.14
	Owl, Barred	1991	14	1	1	1	0.07	0.07
		1992	14	3	8	8	0.57	0.57
		1993	14	2	5	3	0.36	0.21
		1994	14	2	7	4	0.43	0.21
		1995	14	2	3	3	0.14	0.14
		1996	14	2	5	5	0.29	0.29
		1997	14	1	2	1	0.14	0.07
	Owl, Eastern Screech	1993	14	1	1	1	0.07	0.07
	Parula, Northern	1992	14	1	1	1	0.07	0.07
		1994	14	0	3	0	0.21	0.00
	Pewee, Eastern Wood	1991	14	12	39	39	2.79	2.79
		1992	14	10	20	18	1.43	1.29
		1993	14	10	17	17	1.21	1.21
		1994	14	11	18	18	1.29	1.29
		1995	14	13	22	22	1.57	1.57
		1996	14	10	20	20	1.43	1.43
		1997	14	12	24	24	1.64	1.64
	Phoebe, Eastern	1991	14	3	14	14	1.00	1.00
		1992	14	4	8	8	0.57	0.57
		1993	14	1	1	1	0.07	0.07
		1994	14	4	4	4	0.29	0.29
		1995	14	2	2	2	0.14	0.14
		1996	14	1	1	1	0.07	0.07
		1997	14	2	2	2	0.14	0.14
	Redstart, American	1991	14	4	23	22	1.64	1.57
		1992	14	2	3	2	0.21	0.14
		1993	14	1	2	1	0.14	0.07
		1994	14	5	15	11	1.00	0.71
		1995	14	6	12	12	0.79	0.79
		1996	14	3	3	3	0.21	0.21
		1997	14	6	14	14	1.00	1.00
	Robin, American	1991	14	11	34	34	2.43	2.43
		1992	14	14	31	31	2.07	2.07
		1993	14	11	23	22	1.57	1.50
		1994	14	10	21	19	1.50	1.36
		1995	14	10	22	22	1.50	1.50
		1996	14	9	20	20	1.36	1.36
		1997	14	11	19	19	1.36	1.36

Installation Summary by Vegetation Groupings

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Sparrow, Chipping	1991	14	2	5	5	0.36	0.36
		1992	14	3	7	7	0.43	0.43
		1993	14	1	2	2	0.14	0.14
		1994	14	2	4	4	0.29	0.29
		1995	14	5	8	8	0.57	0.57
		1996	14	3	3	3	0.21	0.21
		1997	14	4	7	7	0.50	0.50
	Sparrow, Field	1991	14	1	2	2	0.14	0.14
		1992	14	3	6	6	0.43	0.43
		1993	14	1	1	1	0.07	0.07
		1994	14	3	3	3	0.21	0.21
		1995	14	3	4	4	0.29	0.29
		1996	14	3	4	4	0.29	0.29
		1997	14	1	1	1	0.07	0.07
	Sparrow, Song	1991	14	1	1	1	0.07	0.07
		1993	14	1	3	3	0.14	0.14
		1995	14	1	1	1	0.07	0.07
		1996	14	1	1	1	0.07	0.07
	Sparrow, Swamp	1993	14	1	1	1	0.07	0.07
	Swallow, Barn	1997	14	1	1	1	0.07	0.07
	Swallow, Northern Rough-winged	1997	14	1	1	1	0.07	0.07
	Tanager, Scarlet	1991	14	11	30	30	2.14	2.14
		1992	14	13	35	34	2.21	2.14
		1993	14	13	32	29	2.07	1.86
		1994	14	12	32	27	2.21	1.86
		1995	14	13	28	28	1.71	1.71
		1996	14	13	33	33	2.00	2.00
		1997	14	11	22	22	1.57	1.57
	Thrush, Gray-cheeked	1996	14	1	1	1	0.07	0.07
		1997	14	1	1	1	0.07	0.07
	Thrush, Hermit	1991	14	2	8	8	0.57	0.57
		1992	14	2	3	3	0.21	0.21
		1993	14	3	5	5	0.36	0.36
		1994	14	1	2	1	0.14	0.07
		1995	14	5	12	12	0.86	0.86
		1996	14	3	4	4	0.29	0.29
		1997	14	1	2	2	0.14	0.14
	Thrush, Swainson's	1995	14	1	1	1	0.07	0.07
		1996	14	2	2	2	0.14	0.14
	Thrush, Wood	1991	14	13	61	61	4.36	4.36
		1992	14	12	51	49	3.64	3.50
		1993	14	12	34	33	2.43	2.36
		1994	14	12	27	23	1.93	1.64
		1995	14	13	30	30	2.00	2.00
		1996	14	8	19	19	1.36	1.36
		1997	14	11	26	26	1.86	1.86

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Titmouse, Tufted	1991	14	4	9	9	0.64	0.64
		1992	14	9	14	14	1.00	1.00
		1993	14	4	6	6	0.43	0.43
		1994	14	3	4	3	0.29	0.21
		1995	14	9	15	15	1.00	1.00
		1996	14	5	10	10	0.71	0.71
		1997	14	6	7	7	0.50	0.50
	Towhee, Rufous-sided	1991	14	7	23	22	1.64	1.57
		1992	14	9	18	18	1.29	1.29
		1993	14	5	6	5	0.43	0.36
		1994	14	6	9	8	0.57	0.50
		1995	14	9	12	12	0.86	0.86
		1996	14	6	12	12	0.86	0.86
		1997	14	3	5	5	0.36	0.36
	Turkey, Wild	1992	14	2	2	2	0.14	0.14
		1994	14	1	1	1	0.07	0.07
		1995	14	3	4	4	0.29	0.29
		1996	14	1	4	4	0.21	0.21
		1997	14	5	19	19	1.36	1.36
	Veery	1991	14	6	12	11	0.86	0.79
		1992	14	5	10	9	0.71	0.64
		1993	14	3	6	5	0.43	0.36
		1994	14	4	7	4	0.50	0.29
		1995	14	5	7	7	0.50	0.50
		1996	14	4	5	5	0.36	0.36
		1997	14	4	7	7	0.50	0.50
	Vireo, Red-eyed	1991	14	12	56	56	4.00	4.00
		1992	14	12	41	40	2.93	2.86
		1993	14	12	28	28	1.93	1.93
		1994	14	12	37	35	2.57	2.43
		1995	14	10	25	25	1.79	1.79
		1996	14	10	27	27	1.93	1.93
		1997	14	13	35	35	2.43	2.43
	Vireo, Solitary	1991	14	2	2	2	0.14	0.14
		1996	14	1	1	1	0.07	0.07
		1997	14	1	1	1	0.07	0.07
	Vireo, Warbling	1991	14	2	3	3	0.21	0.21
		1995	14	1	1	1	0.07	0.07
	Vireo, Yellow-throated	1991	14	5	11	11	0.79	0.79
		1992	14	1	1	1	0.07	0.07
		1993	14	1	1	1	0.07	0.07
		1994	14	3	4	4	0.29	0.29
		1995	14	4	5	5	0.36	0.36
		1996	14	4	4	4	0.29	0.29
		1997	14	1	1	1	0.07	0.07
	Vulture, Turkey	1991	14	0	1	0	0.07	0.00
		1992	14	0	6	0	0.43	0.00
		1994	14	0	1	0	0.07	0.00
		1996	14	0	2	0	0.14	0.00
		1997	14	0	2	0	0.14	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot. Birds	Ave Site Birds
	Warbler, Black-and-white	1991	14	10	44	43	3.14	3.07
		1992	14	10	23	22	1.57	1.50
		1993	14	5	12	11	0.79	0.71
		1994	14	13	17	17	1.14	1.14
		1995	14	8	13	13	0.93	0.93
		1996	14	8	10	10	0.71	0.71
		1997	14	9	15	15	1.00	1.00
	Warbler, Blackpoll	1991	14	1	2	2	0.14	0.14
		1992	14	1	1	1	0.07	0.07
		1997	14	1	1	1	0.07	0.07
	Warbler, Black-throated Blue	1995	14	1	2	1	0.14	0.07
	Warbler, Black-throated Green	1995	14	1	1	1	0.07	0.07
		1997	14	1	1	1	0.07	0.07
	Warbler, Blue-winged	1991	14	0	1	0	0.07	0.00
		1992	14	2	4	3	0.29	0.21
		1997	14	1	1	1	0.07	0.07
	Warbler, Canada	1992	14	0	1	0	0.07	0.00
		1996	14	1	1	1	0.07	0.07
	Warbler, Cerulean	1991	14	1	1	1	0.07	0.07
		1992	14	2	2	2	0.14	0.14
		1993	14	1	1	1	0.07	0.07
		1994	14	2	5	3	0.36	0.21
		1995	14	1	2	2	0.14	0.14
		1996	14	0	1	0	0.07	0.00
	Warbler, Chestnut-sided	1992	14	1	1	1	0.07	0.07
		1993	14	0	1	0	0.07	0.00
		1994	14	0	2	0	0.14	0.00
		1995	14	1	1	1	0.07	0.07
	Warbler, Golden-winged	1995	14	0	1	0	0.07	0.00
	Warbler, Hooded	1991	14	0	1	0	0.07	0.00
		1992	14	0	5	0	0.29	0.00
		1993	14	0	2	0	0.14	0.00
		1994	14	1	4	1	0.29	0.07
		1995	14	0	2	0	0.14	0.00
		1996	14	2	2	2	0.14	0.14
		1997	14	1	2	2	0.14	0.14
	Warbler, Prairie	1991	14	1	2	2	0.14	0.14
		1994	14	1	1	1	0.07	0.07
		1995	14	3	3	3	0.21	0.21
		1996	14	1	1	1	0.07	0.07
		1997	14	1	1	1	0.07	0.07
	Warbler, Worm-eating	1991	14	2	6	5	0.43	0.36
		1992	14	2	9	7	0.64	0.50
		1993	14	3	6	5	0.43	0.36
		1994	14	5	9	5	0.64	0.36
		1995	14	1	1	1	0.07	0.07
		1996	14	4	6	6	0.43	0.43
		1997	14	5	8	8	0.57	0.57

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Warbler, Yellow	1993	14	1	1	1	0.07	0.07
		1995	14	1	2	2	0.14	0.14
		1997	14	1	1	1	0.07	0.07
	Warlber, Blackburnian	1997	14	1	1	1	0.07	0.07
	Waterthrush, Louisiana	1991	14	2	5	3	0.36	0.21
		1992	14	3	3	3	0.21	0.21
		1993	14	2	3	3	0.21	0.21
		1994	14	1	1	1	0.07	0.07
		1995	14	2	3	3	0.21	0.21
		1997	14	2	4	4	0.29	0.29
	Waterthrush, Northern	1992	14	1	1	1	0.07	0.07
	Waxwing, Cedar	1991	14	8	11	11	0.79	0.79
		1992	14	1	1	1	0.07	0.07
		1993	14	4	5	5	0.36	0.36
		1994	14	9	20	16	1.36	1.14
		1995	14	4	29	4	2.07	0.29
		1996	14	2	2	2	0.14	0.14
		1997	14	5	6	6	0.43	0.43
	Woodpecker, Downy	1991	14	2	4	4	0.29	0.29
		1992	14	3	4	3	0.29	0.21
		1994	14	2	3	3	0.21	0.21
		1995	14	1	1	1	0.07	0.07
		1996	14	3	3	3	0.21	0.21
		1997	14	1	2	2	0.14	0.14
	Woodpecker, Hairy	1991	14	1	1	1	0.07	0.07
		1992	14	5	7	7	0.50	0.50
		1993	14	4	6	6	0.43	0.43
		1994	14	2	5	4	0.36	0.29
		1995	14	4	4	4	0.29	0.29
		1996	14	2	3	3	0.21	0.21
		1997	14	4	4	4	0.29	0.29
	Woodpecker, Pileated	1991	14	1	1	1	0.07	0.07
		1992	14	2	3	2	0.21	0.14
		1993	14	3	3	3	0.21	0.21
		1994	14	2	2	2	0.14	0.14
		1995	14	1	1	1	0.07	0.07
		1996	14	1	1	1	0.07	0.07
		1997	14	1	2	2	0.07	0.07
	Woodpecker, Red-bellied	1991	14	4	6	6	0.43	0.43
		1992	14	3	8	6	0.57	0.43
		1993	14	6	8	7	0.50	0.43
		1994	14	5	12	11	0.86	0.79
		1995	14	2	2	2	0.14	0.14
		1996	14	6	8	8	0.57	0.57
		1997	14	3	3	3	0.21	0.21
	Wren, House	1991	14	1	1	1	0.07	0.07
	Wren, Winter	1993	14	1	2	1	0.14	0.07
		1994	14	0	1	0	0.07	0.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Yellowthroat, Common	1991	14	1	1	1	0.07	0.07
		1992	14	2	3	3	0.21	0.21
		1994	14	2	4	3	0.29	0.21
		1995	14	1	1	1	0.07	0.07
		1996	14	2	2	2	0.14	0.14
		1997	14	2	3	3	0.21	0.21
OAK-PINE	Bluebird, Eastern	1992	1	1	1	1	1.00	1.00
	Cardinal, Northern	1992	1	1	2	2	1.00	1.00
	Catbird, Gray	1991	1	1	4	4	4.00	4.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	3	3	3.00	3.00
	Chickadee, Black-capped	1991	1	1	4	4	4.00	4.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	5	5	3.00	3.00
		1996	1	1	2	2	1.00	1.00
	Cowbird, Brown-headed	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
	Crow, American	1991	1	1	1	1	1.00	1.00
		1992	1	1	3	3	3.00	3.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	3	3	3.00	3.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	2	2	2.00	2.00
	Dove, Mourning	1997	1	1	2	2	2.00	2.00
	Eagle, Bald	1993	1	0	1	0	1.00	0.00
	Finch, House	1994	1	1	2	1	2.00	1.00
	Flicker, Northern	1991	1	1	2	2	2.00	2.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Flycatcher, Great-crested	1991	1	1	5	5	5.00	5.00
		1992	1	1	4	4	4.00	4.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	3	3	3.00	3.00
		1997	1	1	5	5	5.00	5.00
	Gnatcatcher, Blue-gray	1996	1	1	1	1	1.00	1.00
	Goldfinch, American	1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Grackle, Common	1994	1	1	1	1	1.00	1.00
		1996	1	1	7	7	7.00	7.00
		1997	1	1	2	2	2.00	2.00
	Grouse, Ruffed	1991	1	1	1	1	1.00	1.00
		1993	1	0	2	0	2.00	0.00
		1994	1	1	1	1	1.00	1.00
	Jay, Blue	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Nuthatch, Red-breasted	1993	1	0	1	0	1.00	0.00
	Nuthatch, White-breasted	1991	1	1	4	4	4.00	4.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Oriole, Northern	1992	1	0	1	0	1.00	0.00
		1997	1	1	1	1	1.00	1.00
	Ovenbird	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
	Pewee, Eastern Wood	1993	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Phoebe, Eastern	1991	1	1	2	2	2.00	2.00
		1992	1	0	1	0	1.00	0.00
	Redstart, American	1992	1	1	1	1	1.00	1.00
		1994	1	0	1	0	1.00	0.00
	Robin, American	1992	1	1	5	5	5.00	5.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Swift, Chimney	1991	1	1	2	2	2.00	2.00
	Tanager, Scarlet	1994	1	1	3	3	3.00	3.00
		1995	1	1	3	3	2.00	2.00
	Thrush, Wood	1992	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
	Titmouse, Tufted	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	3	3	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Towhee, Rufous-sided	1992	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Vireo, Red-eyed	1991	1	1	1	1	1.00	1.00
		1992	1	1	2	2	2.00	2.00
		1994	1	1	3	3	2.00	2.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	3	3	3.00	3.00
	Warbler, Black-and-white	1992	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Warbler, Pine	1992	1	1	2	2	2.00	2.00
		1995	1	1	2	2	1.00	1.00
	Warbler, Yellow	1994	1	0	1	0	1.00	0.00
	Waxwing, Cedar	1991	1	1	1	1	1.00	1.00
		1992	1	1	4	4	4.00	4.00
		1997	1	1	1	1	1.00	1.00
	Woodpecker, Red-bellied	1997	1	1	1	1	1.00	1.00
	Yellowthroat, Common	1995	1	1	1	1	1.00	1.00
OAK-TULIP TREE	Chickadee, Black-capped	1993	2	1	1	1	0.50	0.50
	Cowbird, Brown-headed	1993	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	2	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	2	4	4	1.50	1.50
	Crow, American	1991	2	1	2	2	1.00	1.00
		1992	2	2	4	4	1.50	1.50
		1994	2	2	3	3	1.50	1.50
		1995	2	2	4	4	2.00	2.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	2	2	1.00	1.00
	Cuckoo, Black-billed	1995	2	1	1	1	0.50	0.50
	Dove, Mourning	1994	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Flicker, Northern	1991	2	2	10	10	5.00	5.00
		1992	2	2	3	3	1.50	1.50
		1993	2	2	3	3	1.50	1.50
		1994	2	2	3	3	1.00	1.00
		1995	2	1	2	2	1.00	1.00
		1996	2	2	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Flycatcher, Great-crested	1991	2	2	5	5	2.50	2.50
		1992	2	1	2	1	1.00	0.50
		1993	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	2	2	1.00	1.00
	Gnatcatcher, Blue-gray	1996	2	1	1	1	0.50	0.50
	Goldfinch, American	1993	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Grackle, Common	1995	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Grosbeak, Rose-breasted	1991	2	2	5	5	2.50	2.50
		1992	2	2	7	7	3.50	3.50
		1993	2	2	4	4	1.50	1.50
		1994	2	2	7	6	3.50	3.00
		1995	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
		1997	2	2	2	2	1.00	1.00
	Hawk, Cooper's	1993	2	0	1	0	0.50	0.00
		1996	2	1	1	1	0.50	0.50
	Hawk, Red-tailed	1997	2	2	2	2	1.00	1.00
	Heron, Great Blue	1992	2	0	1	0	0.50	0.00
	Jay, Blue	1991	2	2	3	3	1.50	1.50
		1992	2	2	2	2	1.00	1.00
		1993	2	2	4	4	2.00	2.00
		1994	2	1	2	2	1.00	1.00
		1995	2	2	5	5	2.50	2.50
		1996	2	2	3	3	1.50	1.50
		1997	2	2	2	2	1.00	1.00
	Kinglet, Ruby-crowned	1992	2	0	1	0	0.50	0.00
	Nuthatch, White-breasted	1991	2	1	3	3	1.50	1.50
		1992	2	1	1	1	0.50	0.50
		1993	2	1	1	1	0.50	0.50
		1995	2	2	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Oriole, Northern	1991	2	2	5	5	2.50	2.50
		1992	2	1	2	2	1.00	1.00
		1993	2	2	3	3	1.50	1.50
		1994	2	2	3	2	1.50	1.00
		1995	2	2	2	2	1.00	1.00
		1996	2	2	5	5	2.50	2.50
		1997	2	2	3	3	1.50	1.50
	Ovenbird	1991	2	2	6	6	3.00	3.00
		1992	2	1	2	2	1.00	1.00
		1993	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	1	2	2	1.00	1.00
	Parula, Northern	1992	2	1	1	1	0.50	0.50
	Pewee, Eastern Wood	1991	2	1	2	2	1.00	1.00
		1992	2	1	2	2	1.00	1.00
		1993	2	2	4	4	2.00	2.00
		1994	2	1	2	2	1.00	1.00
		1995	2	2	3	3	1.50	1.50
		1996	2	1	2	2	1.00	1.00
		1997	2	2	3	3	1.50	1.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot. Birds	Ave Site Birds
	Redstart, American	1991	2	2	14	14	7.00	7.00
		1992	2	2	4	4	2.00	2.00
		1993	2	1	3	3	1.50	1.50
		1994	2	2	8	7	4.00	3.50
		1995	2	1	2	2	1.00	1.00
		1996	2	2	5	5	2.50	2.50
		1997	2	2	5	5	2.50	2.50
	Robin, American	1991	2	2	10	10	5.00	5.00
		1992	2	2	5	5	2.50	2.50
		1993	2	1	2	2	1.00	1.00
		1994	2	2	5	5	2.50	2.50
		1995	2	2	5	5	2.50	2.50
		1996	2	2	5	5	2.50	2.50
		1997	2	2	9	9	4.00	4.00
	Sandpiper, Spotted	1992	2	0	1	0	0.50	0.00
	Sparrow, Chipping	1991	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
	Sparrow, Song	1993	2	1	1	1	0.50	0.50
	Tanager, Scarlet	1991	2	2	8	8	4.00	4.00
		1992	2	2	6	6	3.00	3.00
		1993	2	2	4	4	2.00	2.00
		1994	2	2	4	4	2.00	2.00
		1995	2	2	3	3	1.50	1.50
		1996	2	2	4	4	2.00	2.00
		1997	2	2	4	4	2.00	2.00
	Thrush, Hermit	1991	2	1	1	1	0.50	0.50
	Thrush, Wood	1991	2	2	14	14	7.00	7.00
		1992	2	2	8	8	4.00	4.00
		1993	2	2	9	9	4.50	4.50
		1994	2	2	10	9	5.00	4.50
		1995	2	2	4	4	2.00	2.00
		1996	2	1	1	1	0.50	0.50
		1997	2	2	5	5	2.50	2.50
	Titmouse, Tufted	1992	2	1	2	2	1.00	1.00
		1993	2	2	2	2	1.00	1.00
		1995	2	1	1	1	0.50	0.50
	Towhee, Rufous-sided	1992	2	2	2	2	1.00	1.00
		1994	2	1	2	1	1.00	0.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	2	2	1.00	1.00
	Turkey, Wild	1994	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
	Veery	1991	2	2	3	3	1.50	1.50
		1992	2	2	3	3	1.50	1.50
		1993	2	1	1	1	0.50	0.50
		1994	2	1	2	1	1.00	0.50
		1995	2	2	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Vireo, Red-eyed	1991	2	2	13	13	6.50	6.50
		1992	2	2	4	4	2.00	2.00
		1993	2	2	6	6	3.00	3.00
		1994	2	2	5	5	2.50	2.50
		1995	2	2	4	4	2.00	2.00
		1996	2	2	5	5	2.50	2.50
		1997	2	2	8	8	4.00	4.00
	Vireo, Warbling	1997	2	1	1	1	0.50	0.50
	Vireo, Yellow-throated	1993	2	1	1	1	0.50	0.50
		1995	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Vulture, Turkey	1997	2	0	1	0	0.50	0.00
	Warbler, Black-and-white	1991	2	1	2	2	1.00	1.00
		1993	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
	Warbler, Blackpoll	1994	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Warbler, Black-throated Green	1994	2	0	1	0	0.50	0.00
	Warbler, Blue-winged	1997	2	1	1	1	0.50	0.50
	Warbler, Cerulean	1993	2	1	4	4	2.00	2.00
		1994	2	1	1	1	0.50	0.50
		1996	2	0	1	0	0.50	0.00
		1997	2	1	2	2	1.00	1.00
	Warbler, Worm-eating	1995	2	1	1	1	0.50	0.50
		1996	2	1	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Warbler, Yellow	1992	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Waterthrush, Louisiana	1991	2	1	2	1	1.00	0.50
		1992	2	1	1	1	0.50	0.50
		1993	2	1	2	2	1.00	1.00
		1994	2	1	2	1	1.00	0.50
		1995	2	1	2	2	1.00	1.00
	Waxwing, Cedar	1991	2	2	3	3	1.50	1.50
		1993	2	1	4	4	2.00	2.00
		1994	2	1	1	1	0.50	0.50
		1995	2	2	2	2	1.00	1.00
		1997	2	2	2	2	1.00	1.00
	Whip-poor-will	1994	2	0	1	0	0.50	0.00
	Woodpecker, Downy	1991	2	1	2	1	1.00	0.50
		1992	2	1	1	1	0.50	0.50
		1993	2	1	1	1	0.50	0.50
		1995	2	1	2	2	1.00	1.00
	Woodpecker, Hairy	1993	2	1	2	2	1.00	1.00
		1994	2	1	1	1	0.50	0.50
		1995	2	1	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50

Installation Summary by Vegetation Groupings

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Woodpecker, Pileated	1991	2	1	2	2	1.00	1.00
		1993	2	0	1	0	0.50	0.00
		1994	2	0	1	0	0.50	0.00
		1995	2	2	2	2	1.00	1.00
	Woodpecker, Red-bellied	1991	2	1	1	1	0.50	0.50
		1992	2	2	3	3	1.50	1.50
		1993	2	2	3	3	1.50	1.50
		1994	2	1	2	2	1.00	1.00
		1995	2	2	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Wren, Winter	1997	2	1	1	1	0.50	0.50
	Yellowthroat, Common	1992	2	1	1	1	0.50	0.50
		1994	2	1	5	4	2.50	2.00
RICH ROCKY WOODLANDS	Bluebird, Eastern	1992	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
	Brant	1997	2	0	75	0	37.50	0.00
	Bunting, Indigo	1991	2	1	1	1	0.50	0.50
		1992	2	1	2	2	1.00	1.00
		1993	2	2	4	4	2.00	2.00
		1994	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
	Cardinal, Northern	1991	2	1	1	1	0.50	0.50
	Catbird, Gray	1991	2	1	1	1	0.50	0.50
	Chickadee, Black-capped	1992	2	1	3	3	1.50	1.50
		1995	2	1	1	1	0.50	0.50
	Cowbird, Brown-headed	1997	2	1	1	1	0.50	0.50
	Crow, American	1992	2	1	2	2	1.00	1.00
		1994	2	2	3	3	1.50	1.50
	Cuckoo, Black-billed	1994	2	0	1	0	0.50	0.00
	Flicker, Northern	1991	2	1	1	1	0.50	0.50
		1992	2	2	3	3	1.50	1.50
		1995	2	2	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
	Flycatcher, Great-crested	1991	2	1	5	5	2.50	2.50
		1995	2	1	1	1	0.50	0.50
		1996	2	2	2	2	1.00	1.00
		1997	2	2	4	4	2.00	2.00
	Flycatcher, Olive-sided	1993	2	1	1	1	0.50	0.50
	Goldfinch, American	1992	2	1	1	1	0.50	0.50
		1995	2	2	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
	Goose, Canada	1994	2	0	10	0	5.00	0.00
	Grosbeak, Rose-breasted	1991	2	1	1	1	0.50	0.50
		1992	2	1	1	1	0.50	0.50
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Hawk, Red-shouldered	1995	2	0	1	0	0.50	0.00
	Hawk, Red-tailed	1995	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Jay, Blue	1991	2	1	3	3	1.50	1.50
		1992	2	1	1	1	0.50	0.50
		1993	2	1	1	1	0.50	0.50
		1994	2	2	2	2	1.00	1.00
		1995	2	1	1	1	0.50	0.50
		1996	2	2	4	4	2.00	2.00
		1997	2	1	1	1	0.50	0.50
	Junco, Dark-eyed	1993	2	2	3	3	1.00	1.00
	Nuthatch, White-breasted	1992	2	1	1	1	0.50	0.50
	Oriole, Northern	1992	2	1	5	5	2.50	2.50
		1993	2	1	1	1	0.50	0.50
		1994	2	2	5	5	2.50	2.50
		1996	2	1	1	1	0.50	0.50
	Ovenbird	1991	2	2	3	3	1.50	1.50
		1992	2	2	4	4	2.00	2.00
		1993	2	2	3	3	1.50	1.50
		1994	2	2	2	2	1.00	1.00
		1995	2	2	5	5	2.50	2.50
		1997	2	1	1	1	0.50	0.50
	Pewee, Eastern Wood	1991	2	1	3	3	1.50	1.50
		1992	2	1	2	2	1.00	1.00
		1994	2	1	1	1	0.50	0.50
		1995	2	2	2	2	1.00	1.00
		1997	2	1	1	1	0.50	0.50
	Phoebe, Eastern	1991	2	0	1	0	0.50	0.00
		1992	2	1	2	2	1.00	1.00
		1995	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Redstart, American	1991	2	1	2	2	1.00	1.00
		1992	2	1	1	1	0.50	0.50
		1994	2	1	2	1	1.00	0.50
		1997	2	1	1	1	0.50	0.50
	Robin, American	1991	2	1	4	4	2.00	2.00
		1992	2	1	2	2	1.00	1.00
		1994	2	1	5	5	2.50	2.50
		1995	2	2	4	4	1.50	1.50
		1996	2	1	2	2	1.00	1.00
	Sparrow, Chipping	1991	2	2	7	7	3.50	3.50
		1992	2	1	1	1	0.50	0.50
		1993	2	2	4	4	2.00	2.00
		1994	2	1	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Sparrow, Field	1991	2	2	4	4	2.00	2.00
		1992	2	1	2	2	1.00	1.00
		1993	2	2	3	3	1.50	1.50
		1994	2	2	3	3	1.50	1.50
		1995	2	2	6	6	2.00	2.00
		1996	2	2	2	2	1.00	1.00
		1997	2	2	3	3	1.50	1.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Sparrow, White-throated	1992	2	1	1	1	0.50	0.50
	Tanager, Scarlet	1991	2	2	3	3	1.50	1.50
		1992	2	1	7	7	3.50	3.50
		1994	2	1	3	1	1.00	0.50
		1995	2	2	2	2	1.00	1.00
		1996	2	2	4	4	2.00	2.00
		1997	2	1	3	3	1.50	1.50
	Thrush, Hermit	1992	2	1	2	2	1.00	1.00
		1994	2	1	1	1	0.50	0.50
		1995	2	2	2	2	1.00	1.00
	Thrush, Wood	1991	2	2	6	6	3.00	3.00
		1992	2	2	4	4	2.00	2.00
		1993	2	2	4	4	2.00	2.00
		1994	2	2	3	3	1.50	1.50
		1995	2	1	3	3	1.50	1.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Titmouse, Tufted	1992	2	1	1	1	0.50	0.50
	Towhee, Rufous-sided	1991	2	2	10	10	5.00	5.00
		1992	2	2	8	8	4.00	4.00
		1993	2	2	3	3	1.50	1.50
		1994	2	2	8	8	4.00	4.00
		1995	2	2	5	5	2.00	2.00
		1996	2	2	7	7	3.00	3.00
		1997	2	2	4	4	2.00	2.00
	Turkey, Wild	1991	2	1	4	3	2.00	1.50
		1992	2	1	1	1	0.50	0.50
		1993	2	1	3	3	1.50	1.50
	Veery	1992	2	0	1	0	0.50	0.00
		1994	2	1	1	1	0.50	0.50
		1995	2	1	2	2	1.00	1.00
		1997	2	1	2	2	1.00	1.00
	Vireo, Red-eyed	1991	2	1	2	2	1.00	1.00
		1992	2	2	3	3	1.50	1.50
		1994	2	2	2	2	1.00	1.00
		1995	2	2	4	4	2.00	2.00
		1996	2	1	4	4	2.00	2.00
		1997	2	2	2	2	1.00	1.00
	Vireo, Yellow-throated	1995	2	1	1	1	0.50	0.50
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Vulture, Turkey	1991	2	0	2	0	1.00	0.00
	Warbler, Black-and-white	1991	2	1	5	5	2.50	2.50
		1992	2	2	7	7	3.50	3.50
		1994	2	1	2	1	1.00	0.50
		1995	2	2	5	5	2.50	2.50
		1996	2	2	5	5	2.50	2.50
		1997	2	2	3	3	1.50	1.50
	Warbler, Blue-winged	1991	2	1	3	3	1.50	1.50

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Warbler, Chestnut-sided	1995	2	1	2	2	1.00	1.00
		1996	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Warbler, Golden-winged	1995	2	1	1	1	0.50	0.50
	Warbler, Hooded	1995	2	1	2	2	1.00	1.00
	Warbler, Prairie	1991	2	2	4	4	2.00	2.00
		1992	2	2	7	7	3.00	3.00
		1993	2	2	6	5	2.50	2.00
		1994	2	2	3	3	1.50	1.50
		1995	2	2	5	5	2.50	2.50
		1996	2	2	4	4	2.00	2.00
		1997	2	2	4	4	2.00	2.00
	Warbler, Worm-eating	1992	2	1	1	1	0.50	0.50
		1997	2	1	1	1	0.50	0.50
	Waxwing, Cedar	1991	2	2	10	10	5.00	5.00
		1994	2	1	1	1	0.50	0.50
		1995	2	2	2	2	1.00	1.00
		1997	2	1	3	3	1.50	1.50
	Woodpecker, Downy	1997	2	1	1	1	0.50	0.50
	Woodpecker, Hairy	1992	2	1	1	1	0.50	0.50
	Woodpecker, Pileated	1991	2	1	1	1	0.50	0.50
	Yellowthroat, Common	1991	2	1	2	2	1.00	1.00
		1992	2	1	1	1	0.50	0.50
		1994	2	1	1	1	0.50	0.50
ROCKY SUMMIT GRASSLAND	Bluebird, Eastern	1991	1	1	1	1	1.00	1.00
		1993	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Bunting, Indigo	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	1	1	1.00	1.00
	Chickadee, Black-capped	1995	1	1	1	1	1.00	1.00
	Cowbird, Brown-headed	1991	1	1	2	2	2.00	2.00
	Crow, American	1991	1	1	1	1	1.00	1.00
	Cuckoo, Yellow-billed	1993	1	1	1	1	1.00	1.00
	Dove, Mourning	1992	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
	Flicker, Northern	1991	1	1	4	4	4.00	4.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
	Flycatcher, Great-crested	1992	1	1	3	3	3.00	3.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	3	3	3.00	3.00
		1995	1	1	2	2	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Gnatcatcher, Blue-gray	1994	1	1	1	1	1.00	1.00
	Goldfinch, American	1992	1	0	1	0	1.00	0.00
	Grosbeak, Rose-breasted	1992	1	1	1	1	1.00	1.00
		1994	1	0	1	0	1.00	0.00
	Hawk, Red-tailed	1991	1	0	1	0	1.00	0.00
		1993	1	0	1	0	1.00	0.00
		1995	1	1	1	1	1.00	1.00
		1997	1	1	2	1	2.00	1.00
	Jay, Blue	1991	1	1	1	1	1.00	1.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Junco, Dark-eyed	1991	1	1	1	1	1.00	1.00
	Kingbird, Eastern	1994	1	1	1	1	1.00	1.00
	Mockingbird, Northern	1991	1	1	3	3	3.00	3.00
	Oriole, Northern	1991	1	1	1	1	1.00	1.00
		1992	1	1	2	2	2.00	2.00
		1993	1	0	1	0	1.00	0.00
		1997	1	1	1	1	1.00	1.00
	Pewee, Eastern Wood	1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Phoebe, Eastern	1992	1	1	1	1	1.00	1.00
		1994	1	0	1	0	1.00	0.00
		1995	1	1	1	1	1.00	1.00
	Robin, American	1992	1	1	3	3	3.00	3.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	3	3	3.00	3.00
		1997	1	1	1	1	1.00	1.00
	Sparrow, Chipping	1991	1	1	1	1	1.00	1.00
		1992	1	1	3	3	3.00	3.00
		1994	1	1	3	3	3.00	3.00
		1995	1	1	3	3	3.00	3.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Sparrow, Field	1991	1	1	6	6	6.00	6.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	4	4	3.00	3.00
		1994	1	1	3	3	3.00	3.00
		1995	1	1	4	4	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Swallow, Tree	1991	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Tanager, Scarlet	1992	1	1	3	3	3.00	3.00
		1993	1	1	2	1	2.00	1.00
		1994	1	1	3	3	3.00	3.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
	Thrush, Hermit	1992	1	1	1	1	1.00	1.00
		1993	1	1	2	1	2.00	1.00
		1994	1	1	1	1	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	2	2	2.00	2.00
	Thrush, Wood	1994	1	1	1	1	1.00	1.00
	Titmouse, Tufted	1992	1	1	1	1	1.00	1.00
	Towhee, Rufous-sided	1991	1	1	7	7	7.00	7.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	3	3	2.00	2.00
		1994	1	1	4	4	4.00	4.00
		1995	1	1	4	4	4.00	4.00
		1996	1	1	3	3	3.00	3.00
		1997	1	1	8	8	8.00	8.00
	Turkey, Wild	1994	1	1	3	3	3.00	3.00
	Veery	1997	1	1	1	1	1.00	1.00
	Vireo, Red-eyed	1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Warbler, Black-and-white	1995	1	1	3	3	3.00	3.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Warbler, Blue-winged	1991	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
	Warbler, Prairie	1991	1	1	4	4	4.00	4.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	6	6	5.00	5.00
		1994	1	1	4	3	4.00	3.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	5	5	5.00	5.00
		1997	1	1	6	6	6.00	6.00
	Waxwing, Cedar	1991	1	1	7	7	7.00	7.00
		1993	1	1	4	4	4.00	4.00
		1995	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Woodpecker, Downy	1993	1	0	1	0	1.00	0.00
	Woodpecker, Hairy	1992	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
	Woodpecker, Red-bellied	1991	1	1	1	1	1.00	1.00
		1993	1	1	1	1	1.00	1.00
	Yellowthroat, Common	1992	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1997	1	1	2	2	2.00	2.00

Installation Summary by Vegetation Groupings

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
SUCCESSIONAL HARDWOODS	Blackbird, Red-winged	1996	1	1	1	1	1.00	1.00
	Cardinal, Northern	1991	1	1	3	2	3.00	2.00
		1992	1	1	2	1	2.00	1.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	4	4	4.00	4.00
		1995	1	1	5	5	5.00	5.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Catbird, Gray	1991	1	1	14	14	14.00	14.00
		1992	1	1	3	3	3.00	3.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	3	3	3.00	3.00
		1996	1	1	6	6	6.00	6.00
		1997	1	1	3	3	3.00	3.00
	Chickadee, Black-capped	1992	1	1	1	1	1.00	1.00
		1993	1	1	3	3	3.00	3.00
		1995	1	1	3	3	3.00	3.00
		1997	1	1	2	2	2.00	2.00
	Cowbird, Brown-headed	1996	1	1	1	1	1.00	1.00
	Crow, American	1991	1	1	1	1	1.00	1.00
		1992	1	1	4	4	4.00	4.00
		1993	1	0	1	0	1.00	0.00
		1994	1	1	5	5	5.00	5.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	3	3	3.00	3.00
		1997	1	1	2	2	2.00	2.00
	Finch, House	1991	1	1	1	1	1.00	1.00
		1992	1	1	3	3	3.00	3.00
	Flicker, Northern	1991	1	1	1	1	1.00	1.00
		1992	1	1	3	3	3.00	3.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	3	2	2.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Flycatcher, Great-crested	1991	1	1	3	3	3.00	3.00
	Goldfinch, American	1993	1	0	1	0	1.00	0.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00
	Goose, Canada	1992	1	0	2	0	2.00	0.00
		1993	1	0	3	0	3.00	0.00
		1994	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Grackle, Common	1993	1	0	1	0	1.00	0.00
		1995	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Grosbeak, Rose-breasted	1993	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Grouse, Ruffed	1991	1	0	1	0	1.00	0.00
		1994	1	1	2	2	2.00	2.00
	Jay, Blue	1992	1	1	2	2	2.00	2.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Killdeer	1992	1	0	1	0	1.00	0.00
	Kingbird, Eastern	1992	1	0	2	0	1.00	0.00
	Mockingbird, Northern	1994	1	0	1	0	1.00	0.00
	Nuthatch, White-breasted	1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Oriole, Northern	1992	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Ovenbird	1992	1	1	4	4	4.00	4.00
		1995	1	1	3	3	2.00	2.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	3	3	3.00	3.00
	Pewee, Eastern Wood	1997	1	1	1	1	1.00	1.00
	Phoebe, Eastern	1991	1	0	1	0	1.00	0.00
	Redstart, American	1992	1	1	6	6	6.00	6.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	3.00	3.00
	Robin, American	1991	1	1	10	10	10.00	10.00
		1992	1	1	1	1	1.00	1.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	1	1	1.00	1.00
		1996	1	1	3	3	2.00	2.00
		1997	1	1	2	2	2.00	2.00
	Sparrow, Chipping	1991	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
	Sparrow, Song	1991	1	1	1	1	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	2	2	2.00	2.00
	Starling, European	1994	1	0	3	0	3.00	0.00
	Tanager, Scarlet	1993	1	1	1	1	1.00	1.00
		1994	1	0	1	0	1.00	0.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
	Thrush, Wood	1992	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Titmouse, Tufted	1992	1	1	2	2	2.00	2.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00
	Towhee, Rufous-sided	1991	1	1	2	2	2.00	2.00
	Veery	1991	1	1	7	7	7.00	7.00
		1992	1	1	8	7	8.00	7.00
		1993	1	1	3	3	3.00	3.00
		1994	1	1	3	3	3.00	3.00
		1995	1	1	3	3	3.00	3.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	4	4	4.00	4.00
	Vireo, Red-eyed	1991	1	1	3	3	3.00	3.00
		1992	1	1	5	5	4.00	4.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Warbler, Black-and-white	1991	1	1	2	1	2.00	1.00
		1992	1	1	1	1	1.00	1.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	2	2	2.00	2.00
	Warbler, Blackpoll	1997	1	1	1	1	1.00	1.00
	Warbler, Black-throated Blue	1995	1	1	2	2	1.00	1.00
	Warbler, Blue-winged	1991	1	1	2	2	2.00	2.00
		1992	1	1	3	3	3.00	3.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1997	1	1	1	1	1.00	1.00
	Warbler, Worm-eating	1997	1	1	1	1	1.00	1.00
	Warbler, Yellow	1991	1	1	4	4	4.00	4.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	1	1	1.00	1.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	3	3	2.00	2.00
	Warlber, Blackburnian	1997	1	1	1	1	1.00	1.00
	Waxwing, Cedar	1992	1	0	3	0	3.00	0.00
		1993	1	1	1	1	1.00	1.00
		1994	1	1	1	1	1.00	1.00
		1995	1	1	1	1	1.00	1.00
		1996	1	1	2	2	2.00	2.00
		1997	1	1	1	1	1.00	1.00
	Woodpecker, Downy	1994	1	1	1	1	1.00	1.00
		1996	1	1	1	1	1.00	1.00

Installation Summary by Vegetation Groupings

Vegetation Type	Species	Year	Total Plots	Site Plots	Total Birds	Site Birds	Ave Tot Birds	Ave Site Birds
	Woodpecker, Pileated	1991	1	0	1	0	1.00	0.00
		1993	1	1	1	1	1.00	1.00
	Wren, House	1993	1	1	3	3	3.00	3.00
		1994	1	1	1	1	1.00	1.00
	Yellowthroat, Common	1991	1	1	3	3	3.00	3.00
		1992	1	1	2	2	2.00	2.00
		1993	1	1	2	2	2.00	2.00
		1994	1	1	2	2	2.00	2.00
		1995	1	1	2	2	2.00	2.00
		1996	1	1	1	1	1.00	1.00
		1997	1	1	2	2	2.00	2.00

Appendix G: West Point Guild Summary Information

Table G1. Guild summaries for West Point by neotropical status.

Neotropical Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
Class A	1991	34	34	13	30	28	16	951	925	26	27.97	27.21	0.76
	1992	34	34	18	34	30	21	777	732	45	22.29	21.03	1.26
	1993	34	34	15	30	28	14	494	467	27	14.03	13.24	0.79
	1994	34	34	18	32	28	24	618	544	74	17.91	15.76	2.15
	1995	34	34	5	36	35	6	578	570	8	16.35	16.12	0.24
	1996	34	34	3	31	30	2	489	486	3	14.06	13.97	0.09
	1997	34	34	0	36	36	0	605	605	0	17.44	17.44	0
Class B	1991	34	31	9	18	18	6	402	390	12	11.82	11.47	0.35
	1992	34	34	13	15	12	10	263	237	26	7.62	6.85	0.76
	1993	34	34	11	19	18	8	202	189	13	5.76	5.38	0.38
	1994	34	33	14	13	12	10	235	211	24	6.65	5.97	0.68
	1995	34	34	5	14	13	4	240	202	38	6.82	5.71	1.12
	1996	34	34	5	16	16	3	201	196	5	5.50	5.35	0.15
	1997	34	34	5	17	17	3	213	193	20	6.12	5.53	0.59
Resident	1991	34	32	10	19	18	10	258	243	15	7.59	7.15	0.44
	1992	34	34	12	21	19	12	279	252	27	8.00	7.21	0.79
	1993	34	32	16	22	20	11	234	202	32	6.68	5.74	0.94
	1994	34	32	13	21	20	13	200	172	28	5.82	5.00	0.82
	1995	34	34	2	17	17	2	196	194	2	5.47	5.41	0.06
	1996	34	34	4	18	17	3	213	198	15	6.18	5.74	0.44
	1997	34	33	3	18	18	2	187	181	6	5.47	5.29	0.18

Table G2. Guild summaries for West Point by nest location.

Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BANK	1997	34	1	0	1	1	0	1	1	0	0.03	0.03	0
GROUND	1991	34	31	12	16	15	12	413	391	22	12.15	11.50	0.65
	1992	34	33	15	18	14	13	322	290	32	9.32	8.38	0.94
	1993	34	30	12	15	13	7	175	154	21	4.94	4.32	0.62
	1994	34	34	11	13	13	9	203	172	31	5.88	4.97	0.91
	1995	34	33	1	13	13	1	223	222	1	6.32	6.29	0.03
	1996	34	31	3	15	13	3	176	164	12	5.06	4.71	0.35
	1997	34	34	2	15	15	1	231	226	5	6.71	6.56	0.15
MAN-MADE STRUCTURE	1991	34	7	2	2	2	1	32	30	2	0.94	0.88	0.06
	1992	34	9	2	1	1	1	17	15	2	0.50	0.44	0.06
	1993	34	3	0	1	1	0	5	5	0	0.12	0.12	0
	1994	34	4	2	1	1	1	6	4	2	0.18	0.12	0.06
	1995	34	7	0	2	2	0	8	8	0	0.24	0.24	0
	1996	34	3	0	1	1	0	3	3	0	0.09	0.09	0
	1997	34	4	0	3	3	0	8	8	0	0.24	0.24	0
REED	1991	34	1	0	1	1	0	18	18	0	0.53	0.53	0
	1992	34	0	1	1	0	1	6	0	6	0.18	0.00	0.18
	1993	34	1	1	1	1	1	8	7	1	0.24	0.21	0.03
	1994	34	1	1	1	1	1	19	15	4	0.56	0.44	0.12
	1995	34	1	0	1	1	0	9	9	0	0.26	0.26	0
	1996	34	3	0	1	1	0	16	16	0	0.32	0.32	0
	1997	34	2	3	1	1	1	28	12	16	0.82	0.35	0.47
SHRUB	1991	34	30	4	10	9	4	181	175	6	5.32	5.15	0.18
	1992	34	30	9	10	9	6	148	131	17	4.21	3.74	0.47
	1993	34	31	8	12	10	7	110	99	11	3.15	2.82	0.32
	1994	34	32	10	12	8	9	139	120	19	4.00	3.44	0.56
	1995	34	29	3	12	12	4	126	112	14	3.68	3.26	0.41
	1996	34	33	2	12	12	1	106	104	2	3.12	3.06	0.06
	1997	34	31	1	11	11	1	132	130	2	3.82	3.76	0.06
SNAG	1991	34	27	7	8	8	5	123	116	7	3.62	3.41	0.21
	1992	34	32	5	7	7	5	95	87	8	2.71	2.47	0.24
	1993	34	28	7	10	10	6	91	83	8	2.62	2.38	0.24
	1994	34	26	8	8	8	5	82	73	9	2.24	1.97	0.26
	1995	34	27	2	7	7	2	63	61	2	1.82	1.76	0.06
	1996	34	28	0	8	8	0	65	65	0	1.79	1.79	0
	1997	34	23	1	8	8	1	41	40	1	1.18	1.15	0.03
WOODY LOWER CANOPY	1991	34	34	5	13	12	5	297	291	6	8.74	8.56	0.18
	1992	34	34	5	13	11	5	272	263	9	7.76	7.53	0.24
	1993	34	32	6	13	13	4	189	181	8	5.29	5.06	0.24
	1994	34	31	12	14	14	8	199	176	23	5.76	5.09	0.68
	1995	34	32	3	14	13	2	185	182	3	5.15	5.06	0.09
	1996	34	32	2	11	11	1	198	194	4	5.65	5.53	0.12
	1997	34	32	0	13	13	0	189	189	0	5.44	5.44	0
WOODY UPPER CANOPY	1991	34	34	8	17	17	5	547	537	10	16.09	15.79	0.29
	1992	34	34	15	20	19	12	459	435	24	13.24	12.53	0.71
	1993	34	34	13	19	18	8	352	329	23	10.12	9.44	0.68
	1994	34	34	16	17	15	14	405	367	38	11.76	10.71	1.06
	1995	34	34	4	18	17	3	400	372	28	11.18	10.35	0.82
	1996	34	34	5	17	17	3	339	334	5	9.71	9.56	0.15
	1997	34	34	2	19	19	1	375	373	2	10.79	10.74	0.06

Table G3. Guild summaries for West Point by nest type.

Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
ABANDONED	1997	34	1	0	1	1	0	1	1	0	0.03	0.03	0
BURROW	1997	34	1	0	1	1	0	1	1	0	0.03	0.03	0
CAVITY	1991	34	32	10	14	14	7	243	233	10	7.15	6.85	0.29
	1992	34	34	10	12	12	8	236	221	15	6.74	6.29	0.44
	1993	34	32	8	16	16	8	194	183	11	5.53	5.21	0.32
	1994	34	32	10	14	14	10	166	150	16	4.68	4.21	0.47
	1995	34	34	2	12	12	2	180	178	2	5.12	5.06	0.06
	1996	34	33	0	13	13	0	147	147	0	4.15	4.15	0
	1997	34	33	1	14	14	1	139	138	1	4.06	4.03	0.03
CUP	1991	34	34	13	41	39	16	1,096	1,072	24	32.24	31.53	0.71
	1992	34	34	19	43	36	27	808	745	63	23.32	21.53	1.79
	1993	34	34	19	42	40	19	569	535	34	16.18	15.18	1.00
	1994	34	34	19	40	35	28	667	595	72	19.32	17.24	2.09
	1995	34	34	6	43	42	7	645	603	42	18.41	17.18	1.24
	1996	34	34	6	39	38	4	548	539	9	15.74	15.47	0.26
	1997	34	34	3	43	43	2	635	617	18	18.35	17.82	0.53
OVEN	1991	34	25	1	1	1	1	111	110	1	3.26	3.24	0.03
	1992	34	22	1	1	1	1	76	75	1	2.15	2.12	0.03
	1993	34	20	0	1	1	0	41	41	0	1.18	1.18	0
	1994	34	22	3	1	1	1	47	43	4	1.38	1.26	0.12
	1995	34	22	0	1	1	0	51	51	0	1.44	1.44	0
	1996	34	21	0	1	1	0	41	41	0	1.21	1.21	0
	1997	34	25	0	1	1	0	52	52	0	1.53	1.53	0
PARASITIC	1991	34	9	0	1	1	0	11	11	0	0.32	0.32	0
	1992	34	6	1	1	1	1	12	11	1	0.35	0.32	0.03
	1993	34	5	0	1	1	0	6	6	0	0.18	0.18	0
	1994	34	7	0	1	1	0	8	8	0	0.21	0.21	0
	1995	34	11	0	1	1	0	17	17	0	0.38	0.38	0
	1996	34	13	0	1	1	0	13	13	0	0.38	0.38	0
	1997	34	15	0	1	1	0	24	24	0	0.65	0.65	0
PENDANT	1991	34	12	2	1	1	1	45	42	3	1.32	1.24	0.09
	1992	34	26	2	2	2	1	65	63	2	1.91	1.85	0.06
	1993	34	15	3	1	1	1	33	29	4	0.94	0.82	0.12
	1994	34	21	4	2	1	2	46	39	7	1.35	1.15	0.21
	1995	34	22	0	1	1	0	35	35	0	1.00	1.00	0
	1996	34	23	0	1	1	0	46	46	0	1.35	1.35	0
	1997	34	21	0	1	1	0	40	40	0	1.15	1.15	0
PLATFORM	1991	34	1	3	1	1	1	5	2	3	0.15	0.06	0.09
	1992	34	5	2	4	4	1	7	5	2	0.21	0.15	0.06
	1993	34	4	3	5	4	2	8	5	3	0.24	0.15	0.09
	1994	34	4	4	2	2	2	9	5	4	0.26	0.15	0.12
	1995	34	10	4	4	3	3	15	11	4	0.41	0.29	0.12
	1996	34	15	3	5	5	2	20	17	3	0.56	0.47	0.09
	1997	34	7	2	2	2	1	10	8	2	0.29	0.24	0.06

Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
SAUCER	1991	34	24	2	3	3	1	75	73	2	2.21	2.15	0.06
	1992	34	30	1	2	2	1	90	89	1	2.50	2.47	0.03
	1993	34	27	6	2	2	1	61	55	6	1.71	1.53	0.18
	1994	34	29	7	2	2	2	82	70	12	2.35	2.03	0.32
	1995	34	31	0	3	3	0	62	62	0	1.62	1.62	0
	1996	34	31	0	2	2	0	70	70	0	1.85	1.85	0
	1997	34	26	0	3	3	0	67	67	0	1.88	1.88	0
SCRAPE	1991	34	7	6	5	4	5	25	15	10	0.74	0.44	0.29
	1992	34	10	6	5	3	3	25	12	13	0.74	0.35	0.38
	1993	34	2	5	3	1	2	18	4	14	0.53	0.12	0.41
	1994	34	8	3	4	4	2	28	17	11	0.82	0.50	0.32
	1995	34	8	0	2	2	0	9	9	0	0.26	0.26	0
	1996	34	4	2	3	2	2	18	7	11	0.50	0.18	0.32
	1997	34	10	2	4	4	1	36	31	5	1.06	0.91	0.15

Table G4. Guild summaries for West Point by food type.

Food	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
AQUATIC INVERTS	1991	34	4	4	2	2	2	37	32	5	1.09	0.94	0.15
	1992	34	9	2	3	3	2	17	15	2	0.47	0.41	0.06
	1993	34	7	0	2	2	0	9	9	0	0.26	0.26	0
	1994	34	5	1	3	3	1	10	9	1	0.26	0.24	0.03
	1995	34	5	1	2	2	1	9	8	1	0.26	0.24	0.03
	1996	34	3	0	2	2	0	4	4	0	0.12	0.12	0
	1997	34	4	0	2	2	0	8	8	0	0.24	0.24	0
BIRDS	1993	34	0	1	1	0	1	1	0	1	0.03	0	0.03
	1996	34	3	1	2	2	1	4	3	1	0.12	0.09	0.03
FISH	1992	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1993	34	1	0	1	1	0	1	1	0	0.03	0.03	0
FRUIT	1991	34	22	0	1	1	0	71	71	0	2.09	2.09	0
	1992	34	4	1	1	1	1	10	7	3	0.29	0.21	0.09
	1993	34	13	0	1	1	0	28	28	0	0.82	0.82	0
	1994	34	18	3	1	1	1	40	36	4	1.15	1.06	0.09
	1995	34	11	1	1	1	1	36	11	25	1.06	0.32	0.74
	1996	34	9	0	1	1	0	12	12	0	0.35	0.35	0
	1997	34	14	0	1	1	0	17	17	0	0.50	0.50	0
GREENS	1991	34	4	3	2	2	2	9	6	3	0.26	0.18	0.09
	1992	34	5	6	2	1	2	19	7	12	0.56	0.21	0.35
	1993	34	0	5	2	0	2	14	0	14	0.41	0	0.41
	1994	34	3	2	2	2	1	19	9	10	0.56	0.26	0.29
	1995	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1996	34	1	2	2	1	2	12	1	11	0.35	0.03	0.32
	1997	34	3	2	2	2	1	13	8	5	0.38	0.24	0.15
INSECTS	1991	34	34	18	54	52	24	1,457	1,419	38	42.85	41.74	1.12
	1992	34	34	21	54	47	35	1,233	1,163	70	35.41	33.41	2.00
	1993	34	34	22	57	55	27	849	799	50	24.12	22.65	1.47
	1994	34	34	22	54	48	39	940	840	100	27.18	24.26	2.91
	1995	34	34	5	57	56	6	930	922	8	26.24	26.00	0.24
	1996	34	34	4	52	51	3	834	827	7	23.79	23.59	0.21
	1997	34	34	3	60	60	1	919	903	16	26.50	26.03	0.47
SEEDS	1991	34	8	2	6	5	2	30	27	3	0.88	0.79	0.09
	1992	34	13	7	6	5	2	26	17	9	0.76	0.50	0.26
	1993	34	10	3	4	4	1	18	15	3	0.50	0.41	0.09
	1994	34	11	3	4	4	3	33	28	5	0.94	0.79	0.15
	1995	34	13	1	3	3	1	27	17	10	0.79	0.50	0.29
	1996	34	9	2	3	3	1	16	14	2	0.44	0.38	0.06
	1997	34	14	1	3	3	1	37	35	2	1.09	1.03	0.06
SMALL MAMMALS	1991	34	2	4	2	2	2	7	3	4	0.21	0.09	0.12
	1992	34	5	2	3	3	1	13	11	2	0.38	0.32	0.06
	1993	34	5	4	3	3	2	10	6	4	0.29	0.18	0.12
	1994	34	3	5	2	2	2	11	5	6	0.29	0.12	0.18
	1995	34	5	4	3	2	3	11	7	4	0.26	0.15	0.12
	1996	34	13	2	3	3	1	21	19	2	0.56	0.50	0.06
	1997	34	8	3	3	3	2	11	8	3	0.32	0.24	0.09

Table G5. Guild summaries for West Point by feeding substrate.

Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
AIR	1991	34	34	6	10	10	4	380	374	6	11.18	11.00	0.18
	1992	34	34	11	9	7	8	304	289	15	8.65	8.24	0.41
	1993	34	33	9	10	9	4	207	197	10	5.88	5.59	0.29
	1994	34	34	12	8	8	5	260	239	21	7.47	6.88	0.59
	1995	34	34	3	11	10	2	234	231	3	6.59	6.50	0.09
	1996	34	34	1	10	10	1	225	224	1	6.38	6.35	0.03
	1997	34	34	0	12	12	0	275	275	0	7.91	7.91	0
BARK	1991	34	30	7	7	7	4	158	150	8	4.65	4.41	0.24
	1992	34	32	8	7	7	5	118	107	11	3.41	3.09	0.32
	1993	34	27	4	8	8	5	86	81	5	2.38	2.24	0.15
	1994	34	31	9	6	6	5	92	83	9	2.65	2.38	0.26
	1995	34	31	0	7	7	0	93	93	0	2.68	2.68	0
	1996	34	33	0	6	6	0	75	75	0	2.18	2.18	0
	1997	34	31	0	6	6	0	84	84	0	2.41	2.41	0
FOLIAGE	1991	34	33	9	20	18	10	306	290	16	9.00	8.53	0.47
	1992	34	34	12	23	21	13	287	256	31	8.32	7.44	0.88
	1993	34	33	14	20	17	9	193	175	18	5.44	4.91	0.53
	1994	34	34	16	23	19	18	241	196	45	6.97	5.68	1.29
	1995	34	31	4	25	25	6	240	200	40	6.79	5.62	1.18
	1996	34	33	6	22	21	4	178	166	12	5.18	4.82	0.35
	1997	34	34	1	24	24	1	179	177	2	5.18	5.12	0.06
GROUND	1991	34	34	14	27	27	11	733	714	19	21.56	21.00	0.56
	1992	34	34	11	27	23	15	594	565	29	17.09	16.24	0.85
	1993	34	34	17	30	30	14	430	403	27	12.35	11.56	0.79
	1994	34	34	17	26	24	18	441	400	41	12.74	11.53	1.21
	1995	34	34	4	23	22	3	445	441	4	12.53	12.41	0.12
	1996	34	34	4	25	25	2	420	414	6	11.85	11.68	0.18
	1997	34	34	6	28	28	3	455	436	19	13.18	12.62	0.56
WATER	1991	34	1	2	3	2	3	34	30	4	1.00	0.88	0.12
	1992	34	2	5	4	3	2	16	4	12	0.44	0.09	0.35
	1993	34	1	4	3	2	1	14	2	12	0.41	0.06	0.35
	1994	34	4	2	3	3	1	19	9	10	0.56	0.26	0.29
	1995	34	1	1	1	1	1	2	1	1	0.06	0.03	0.03
	1996	34	1	1	2	1	1	5	1	4	0.15	0.03	0.12
	1997	34	2	2	1	1	1	12	7	5	0.35	0.21	0.15

Table G6. Guild summaries for West Point by foraging technique.

Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
AERIAL FORAGING	1991	34	2	0	2	2	0	3	3	0	0.09	0.09	0
	1995	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1997	34	4	0	4	4	0	7	7	0	0.21	0.21	0
AERIAL PURSUIT	1993	34	0	1	1	0	1	1	0	1	0.03	0	0.03
	1996	34	3	1	2	2	1	4	3	1	0.12	0.09	0.03
AMBUSHER	1992	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1993	34	1	0	1	1	0	1	1	0	0.03	0.03	0
BARK GLEANER	1991	34	30	7	7	7	4	158	150	8	4.65	4.41	0.24
	1992	34	32	8	7	7	5	118	107	11	3.41	3.09	0.32
	1993	34	27	4	8	8	5	86	81	5	2.38	2.24	0.15
	1994	34	31	9	6	6	5	92	83	9	2.65	2.38	0.26
	1995	34	31	0	7	7	0	93	93	0	2.68	2.68	0
	1996	34	33	0	6	6	0	75	75	0	2.18	2.18	0
	1997	34	31	0	6	6	0	84	84	0	2.41	2.41	0
DABBLER	1991	34	1	1	2	1	2	31	28	3	0.91	0.82	0.09
	1992	34	2	1	2	2	1	4	3	1	0.09	0.06	0.03
	1993	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1994	34	2	0	2	2	0	3	3	0	0.09	0.09	0
	1995	34	1	1	1	1	1	2	1	1	0.06	0.03	0.03
	1996	34	1	0	1	1	0	1	1	0	0.03	0.03	0
FOLIAGE BROWSER	1991	34	3	2	1	1	1	6	4	2	0.18	0.12	0.06
	1992	34	5	1	1	1	1	8	7	1	0.24	0.21	0.03
	1993	34	0	1	1	0	1	2	0	2	0.06	0.00	0.06
	1994	34	2	0	1	1	0	3	3	0	0.09	0.09	0
	1995	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1996	34	1	1	1	1	1	8	1	7	0.24	0.03	0.21
	1997	34	1	0	1	1	0	1	1	0	0.03	0.03	0
FOLIAGE GLEANER	1991	34	33	7	19	17	9	300	286	14	8.82	8.41	0.41
	1992	34	34	11	21	19	12	278	248	30	8.06	7.21	0.85
	1993	34	33	13	19	17	8	191	175	16	5.38	4.91	0.47
	1994	34	34	15	21	17	17	232	189	43	6.71	5.47	1.24
	1995	34	31	4	23	23	5	235	196	39	6.65	5.50	1.15
	1996	34	33	5	20	19	3	169	164	5	4.91	4.76	0.15
	1997	34	34	1	22	22	1	176	174	2	5.09	5.03	0.06
GROUND GLEANER	1991	34	34	11	24	24	9	716	701	15	21.06	20.62	0.44
	1992	34	34	10	23	19	13	562	536	26	16.18	15.41	0.76
	1993	34	34	12	24	24	11	394	376	18	11.29	10.76	0.53
	1994	34	34	13	23	21	16	402	367	35	11.62	10.59	1.03
	1995	34	34	0	19	19	0	410	410	0	11.56	11.56	0
	1996	34	34	2	21	21	1	376	372	4	10.62	10.50	0.12
	1997	34	34	3	24	24	1	427	411	16	12.35	11.88	0.47
HAWKER	1991	34	32	3	5	5	2	159	156	3	4.68	4.59	0.09
	1992	34	33	10	5	4	4	111	100	11	3.18	2.88	0.29
	1993	34	29	2	6	6	1	85	83	2	2.41	2.35	0.06
	1994	34	30	3	5	5	2	91	88	3	2.65	2.56	0.09
	1995	34	33	2	6	5	1	104	102	2	3.03	2.97	0.06
	1996	34	31	0	4	4	0	80	80	0	2.32	2.32	0
	1997	34	33	0	5	5	0	111	111	0	3.21	3.21	0

Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
HIGH PATROL	1991	34	1	3	1	1	1	5	2	3	0.15	0.06	0.09
	1992	34	2	2	1	1	1	4	2	2	0.12	0.06	0.06
	1993	34	2	2	1	1	1	4	2	2	0.12	0.06	0.06
	1994	34	1	2	1	1	1	3	1	2	0.09	0.03	0.06
	1995	34	3	2	1	1	1	6	4	2	0.15	0.09	0.06
	1996	34	10	2	1	1	1	13	11	2	0.35	0.29	0.06
	1997	34	6	2	1	1	1	8	6	2	0.24	0.18	0.06
HOVER & POUNCE	1993	34	1	0	1	1	0	1	1	0	0.03	0.03	0
HOVER GLEANER	1991	34	30	3	3	3	2	218	215	3	6.41	6.32	0.09
	1992	34	34	2	4	3	4	193	189	4	5.47	5.35	0.12
	1993	34	29	7	3	3	2	121	114	7	3.44	3.24	0.21
	1994	34	34	10	3	3	3	169	151	18	4.82	4.32	0.50
	1995	34	32	1	4	4	1	129	128	1	3.53	3.50	0.03
	1996	34	33	0	4	4	0	141	141	0	3.94	3.94	0
	1997	34	32	0	3	3	0	157	157	0	4.50	4.50	0
LOW PATROL	1991	34	1	1	1	1	1	2	1	1	0.06	0.03	0.03
	1992	34	3	0	1	1	0	8	8	0	0.24	0.24	0
	1993	34	3	2	2	2	1	6	4	2	0.18	0.12	0.06
	1994	34	2	3	1	1	1	8	4	4	0.21	0.09	0.12
	1995	34	2	2	2	1	2	5	3	2	0.12	0.06	0.06
	1996	34	5	0	2	2	0	8	8	0	0.21	0.21	0
	1997	34	2	1	2	2	1	3	2	1	0.09	0.06	0.03
SCAVENGER	1991	34	7	0	1	1	0	10	10	0	0.29	0.29	0
	1992	34	8	1	2	2	1	20	19	1	0.56	0.53	0.03
	1993	34	7	5	1	1	1	24	19	5	0.71	0.56	0.15
	1994	34	16	2	2	2	1	34	32	2	1.00	0.94	0.06
	1995	34	14	1	2	2	1	28	27	1	0.82	0.79	0.03
	1996	34	11	0	2	2	0	24	24	0	0.71	0.71	0
	1997	34	12	0	2	2	0	19	19	0	0.56	0.56	0
SURFACE DIPS	1991	34	1	1	1	1	1	3	2	1	0.09	0.06	0.03
	1992	34	0	5	1	0	1	11	0	11	0.32	0	0.32
	1993	34	0	4	1	0	1	12	0	12	0.35	0	0.35
	1994	34	2	2	1	1	1	16	6	10	0.47	0.18	0.29
	1996	34	0	1	1	0	1	4	0	4	0.12	0	0.12
	1997	34	2	2	1	1	1	12	7	5	0.35	0.21	0.15
SWOOPER	1992	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1993	34	1	0	1	1	0	1	1	0	0.03	0.03	0

Table G7. Guild summaries for West Point by habitat type.

Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
FOREST	1991	34	34	17	38	36	18	1,212	1,185	27	35.65	34.85	0.79
	1992	34	34	15	41	37	25	966	919	47	27.71	26.35	1.35
	1993	34	34	18	41	38	20	697	657	40	19.91	18.74	1.18
	1994	34	34	22	38	36	30	767	687	80	22.12	19.82	2.29
	1995	34	34	4	40	40	6	740	708	32	20.91	19.97	0.94
	1996	34	34	5	38	38	4	652	640	12	18.59	18.24	0.35
	1997	34	34	3	41	41	2	690	687	3	19.94	19.85	0.09
FOREST EDGE	1991	34	31	3	8	8	4	196	189	7	5.76	5.56	0.21
	1992	34	31	8	8	8	4	202	193	9	5.88	5.62	0.26
	1993	34	32	6	8	8	4	126	118	8	3.62	3.38	0.24
	1994	34	33	7	8	8	6	162	147	15	4.68	4.24	0.44
	1995	34	34	1	8	8	1	156	155	1	4.38	4.35	0.03
	1996	34	33	0	9	9	0	144	144	0	4.15	4.15	0
	1997	34	33	0	9	9	0	180	180	0	5.15	5.15	0
FRESHWATER	1991	34	1	1	2	1	1	3	1	2	0.09	0.03	0.06
	1992	34	1	0	1	1	0	1	1	0	0.03	0.03	0
	1997	34	3	0	3	3	0	3	3	0	0.09	0.09	0
GRASSLAND	1991	34	4	0	2	2	0	6	6	0	0.18	0.18	0
	1992	34	6	7	2	1	2	16	7	9	0.47	0.21	0.26
	1993	34	6	3	3	3	2	10	6	4	0.29	0.18	0.12
	1994	34	7	0	2	2	0	17	17	0	0.47	0.47	0
	1995	34	8	2	3	3	2	22	11	11	0.65	0.32	0.32
	1996	34	9	4	3	2	3	25	18	7	0.74	0.53	0.21
	1997	34	7	1	2	2	1	15	13	2	0.44	0.38	0.06
RIPARIAN	1991	34	13	6	6	6	3	58	51	7	1.71	1.50	0.21
	1992	34	20	8	5	4	4	48	39	9	1.38	1.15	0.24
	1993	34	16	3	7	7	2	34	31	3	0.91	0.82	0.09
	1994	34	17	7	5	4	4	30	20	10	0.85	0.56	0.29
	1995	34	18	3	8	6	2	35	32	3	1.03	0.94	0.09
	1996	34	17	0	6	6	0	23	23	0	0.68	0.68	0
	1997	34	19	0	6	6	0	34	34	0	0.97	0.97	0
SHORELINE	1991	34	1	2	1	1	1	7	3	4	0.21	0.09	0.12
	1992	34	0	1	1	0	1	1	0	1	0.03	0	0.03
	1997	34	1	0	1	1	0	1	1	0	0.03	0.03	0
SHRUBLAND	1991	34	12	3	7	7	3	79	75	4	2.32	2.21	0.12
	1992	34	19	4	7	7	4	59	54	5	1.68	1.53	0.15
	1993	34	12	3	7	6	3	40	36	4	1.06	0.94	0.12
	1994	34	14	6	9	6	5	39	32	7	1.15	0.94	0.21
	1995	34	16	0	6	6	0	50	50	0	1.35	1.35	0
	1996	34	12	0	6	6	0	38	38	0	1.12	1.12	0
	1997	34	15	0	6	6	0	41	41	0	1.21	1.21	0
SWAMP/MARSH	1991	34	1	2	3	3	2	50	48	2	1.47	1.41	0.06
	1992	34	3	5	5	3	3	26	8	18	0.74	0.21	0.53
	1993	34	1	5	5	4	2	23	10	13	0.68	0.29	0.38
	1994	34	4	3	4	4	2	38	24	14	1.12	0.71	0.41
	1995	34	1	1	2	2	1	11	10	1	0.32	0.29	0.03
	1996	34	3	1	3	2	1	21	17	4	0.47	0.35	0.12
	1997	34	5	5	3	3	2	41	20	21	1.21	0.59	0.62

Appendix H: West Point Guild Summary Information by Vegetation Type

Table H1. Vegetation types for West Point by neotropical status.

Vegetation Type	Neotropical Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	Class A	1991	2	2	0	11	11	0	61	61	0	30.50	30.50	0
		1992	2	2	1	15	15	1	56	55	1	27.50	27.00	0.50
		1993	2	2	0	14	14	0	40	40	0	19.50	19.50	0
		1994	2	2	0	12	12	0	35	35	0	17.00	17.00	0
		1995	2	2	0	16	16	0	48	48	0	23.00	23.00	0
		1996	2	2	0	11	11	0	30	30	0	15.00	15.00	0
		1997	2	2	0	15	15	0	42	42	0	21.00	21.00	0
	Class B	1991	2	2	0	4	4	0	22	22	0	11.00	11.00	0
		1992	2	2	0	4	4	0	13	13	0	6.50	6.50	0
		1993	2	2	0	6	6	0	16	16	0	8.00	8.00	0
		1994	2	2	0	7	7	0	15	15	0	7.00	7.00	0
		1995	2	2	0	7	7	0	13	13	0	6.50	6.50	0
		1996	2	2	0	4	4	0	14	14	0	6.50	6.50	0
		1997	2	2	0	5	5	0	15	15	0	6.50	6.50	0
	Resident	1991	2	2	1	7	6	1	13	12	1	6.50	6.00	0.50
		1992	2	2	1	9	9	1	16	15	1	8.00	7.50	0.50
		1993	2	2	0	6	6	0	12	12	0	6.00	6.00	0
		1994	2	2	1	7	6	1	12	11	1	5.50	5.00	0.50
		1995	2	2	0	6	6	0	9	9	0	4.50	4.50	0
		1996	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1997	2	2	0	6	6	0	7	7	0	3.50	3.50	0
BURN BARREN/ OAK-HICKORY	Class A	1991	1	1	1	8	7	1	18	17	1	18.00	17.00	1.00
		1992	1	1	1	11	9	4	23	19	4	23.00	19.00	4.00
		1993	1	1	1	6	4	2	8	6	2	8.00	6.00	2.00
		1994	1	1	1	8	5	5	13	7	6	13.00	7.00	6.00
		1995	1	1	0	5	5	0	11	11	0	9.00	9.00	0
		1996	1	1	1	9	8	1	13	12	1	13.00	12.00	1.00
		1997	1	1	0	5	5	0	8	8	0	8.00	8.00	0
	Class B	1991	1	1	0	6	6	0	54	54	0	54.00	54.00	0
		1992	1	1	1	4	3	1	10	8	2	10.00	8.00	2.00
		1993	1	1	0	8	8	0	13	13	0	13.00	13.00	0
		1994	1	1	1	6	5	1	10	9	1	9.00	8.00	1.00
		1995	1	1	1	6	6	1	10	9	1	9.00	8.00	1.00
		1996	1	1	0	8	8	0	9	9	0	9.00	9.00	0
		1997	1	1	1	7	6	1	20	9	11	20.00	9.00	11.00
	Resident	1991	1	1	1	8	5	3	13	9	4	13.00	9.00	4.00
		1992	1	1	1	5	5	1	9	8	1	9.00	8.00	1.00
		1993	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	5	5	0	5	5	0	5.00	5.00	0
		1996	1	1	1	6	5	1	12	9	3	12.00	9.00	3.00
		1997	1	1	0	3	3	0	4	4	0	4.00	4.00	0
CHESTNUT OAK	Class A	1991	7	7	4	18	14	7	173	163	10	24.71	23.29	1.43
		1992	7	7	3	21	19	7	153	146	7	21.71	20.71	1.00
		1993	7	7	2	16	13	4	80	76	4	11.29	10.71	0.57
		1994	7	7	1	20	17	6	111	103	8	15.71	14.57	1.14
		1995	7	7	1	18	17	1	89	88	1	12.71	12.57	0.14
		1996	7	7	0	21	21	0	103	103	0	14.43	14.43	0
		1997	7	7	0	18	18	0	108	108	0	14.71	14.71	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Neotropical Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Class B	1991	7	6	0	9	9	0	45	45	0	6.43	6.43	0
		1992	7	7	2	10	9	3	52	47	5	7.14	6.43	0.71
		1993	7	7	3	9	7	3	36	33	3	4.86	4.43	0.43
		1994	7	7	3	11	7	5	41	31	10	5.86	4.43	1.43
		1995	7	7	0	8	8	0	28	28	0	4.00	4.00	0
		1996	7	7	1	10	9	1	27	26	1	3.71	3.57	0.14
		1997	7	7	1	12	12	1	26	25	1	3.71	3.57	0.14
	Resident	1991	7	7	3	10	9	3	39	36	3	5.57	5.14	0.43
		1992	7	7	2	11	11	2	52	50	2	7.29	7.00	0.29
		1993	7	5	3	9	9	2	38	35	3	5.29	4.86	0.43
		1994	7	5	0	9	9	0	24	24	0	3.43	3.43	0
		1995	7	7	1	12	11	1	33	32	1	4.71	4.57	0.14
		1996	7	7	0	10	10	0	35	35	0	5.00	5.00	0
		1997	7	7	1	12	11	1	38	36	2	5.43	5.14	0.29
HEMLOCK-NORTHERN HARDWOOD	Class A	1991	1	1	0	8	8	0	21	21	0	21.00	21.00	0
		1992	1	1	0	10	10	0	17	17	0	17.00	17.00	0
		1993	1	1	0	12	12	0	19	19	0	17.00	17.00	0
		1994	1	1	0	10	10	0	17	17	0	16.00	16.00	0
		1995	1	1	0	13	13	0	24	24	0	21.00	21.00	0
		1996	1	1	0	9	9	0	16	16	0	14.00	14.00	0
		1997	1	1	0	9	9	0	16	16	0	15.00	15.00	0
	Class B	1991	1	1	0	6	6	0	13	13	0	13.00	13.00	0
		1992	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	0	3	3	0	12	12	0	12.00	12.00	0
		1995	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	3	2	0	2	2	0	2.00	2.00	0
	Resident	1991	1	1	0	4	4	0	4	4	0	4.00	4.00	0
		1992	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	1	5	4	1	10	9	1	10.00	9.00	1.00
		1996	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1997	1	1	0	4	4	0	6	6	0	6.00	6.00	0
MAPLE BEECH MESIC	Class A	1991	2	2	1	11	10	1	77	76	1	38.50	38.00	0.50
		1992	2	2	1	14	12	3	42	39	3	19.50	18.00	1.50
		1993	2	2	2	10	10	2	36	34	2	17.00	16.00	1.00
		1994	2	2	0	12	12	0	44	44	0	22.00	22.00	0
		1995	2	2	0	13	13	0	41	41	0	20.00	20.00	0
		1996	2	2	0	11	11	0	33	33	0	16.00	16.00	0
		1997	2	2	0	13	13	0	45	45	0	22.00	22.00	0
	Class B	1991	2	2	0	7	7	0	24	24	0	12.00	12.00	0
		1992	2	2	2	7	5	2	19	17	2	9.50	8.50	1.00
		1993	2	2	0	4	4	0	12	12	0	6.00	6.00	0
		1994	2	2	0	3	3	0	15	15	0	6.50	6.50	0
		1995	2	2	0	6	6	0	11	11	0	5.00	5.00	0
		1996	2	2	1	6	5	1	14	13	1	6.50	6.00	0.50
		1997	2	2	1	4	4	1	12	11	1	6.00	5.50	0.50

Vegetation Type	Neotropical Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Resident	1991	2	2	0	6	6	0	21	21	0	10.50	10.50	0
		1992	2	2	0	5	5	0	15	15	0	7.00	7.00	0
		1993	2	2	1	7	6	1	20	19	1	9.50	9.00	0.50
		1994	2	2	1	6	5	1	10	9	1	5.00	4.50	0.50
		1995	2	2	0	5	5	0	7	7	0	3.50	3.50	0
		1996	2	2	1	8	7	1	21	14	7	10.50	7.00	3.50
		1997	2	2	0	9	9	0	12	12	0	6.00	6.00	0
OAK-HICKORY	Class A	1991	14	14	5	26	24	11	416	404	12	29.71	28.86	0.86
		1992	14	14	8	28	25	17	329	305	24	22.71	21.07	1.64
		1993	14	14	8	22	20	11	206	190	16	14.14	13.00	1.14
		1994	14	14	10	26	23	18	266	224	42	18.71	15.71	3.00
		1995	14	14	4	33	29	6	250	243	7	17.14	16.64	0.50
		1996	14	14	1	23	22	1	198	197	1	13.71	13.64	0.07
		1997	14	14	0	31	31	0	259	259	0	18.21	18.21	0
	Class B	1991	14	12	6	13	13	5	143	134	9	10.21	9.57	0.64
		1992	14	14	5	10	9	5	103	92	11	7.21	6.43	0.79
		1993	14	14	5	13	12	5	75	69	6	5.21	4.79	0.43
		1994	14	13	7	11	10	5	93	84	9	6.43	5.86	0.57
		1995	14	14	3	13	12	3	127	91	36	8.79	6.21	2.57
		1996	14	14	3	15	15	2	90	87	3	5.79	5.57	0.21
		1997	14	14	1	11	11	2	78	72	6	5.50	5.07	0.43
	Resident	1991	14	12	2	15	15	2	114	112	2	8.14	8.00	0.14
		1992	14	14	7	17	15	9	125	105	20	8.71	7.29	1.43
		1993	14	14	8	16	15	7	109	90	19	7.50	6.14	1.36
		1994	14	14	6	17	16	9	87	75	12	6.14	5.29	0.86
		1995	14	14	0	15	15	0	67	67	0	4.64	4.64	0
		1996	14	14	2	16	15	2	95	90	5	6.64	6.29	0.36
		1997	14	13	2	15	15	2	79	75	4	5.57	5.29	0.29
OAK-PINE	Class A	1991	1	1	0	5	5	0	13	13	0	13.00	13.00	0
		1992	1	1	1	7	6	1	11	10	1	11.00	10.00	1.00
		1993	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1994	1	1	1	7	5	2	12	10	2	11.00	9.00	2.00
		1995	1	1	0	7	7	0	12	12	0	11.00	11.00	0
		1996	1	1	0	5	5	0	10	10	0	10.00	10.00	0
		1997	1	1	0	5	5	0	12	12	0	12.00	12.00	0
	Class B	1991	1	1	0	4	4	0	6	6	0	6.00	6.00	0
		1992	1	1	1	8	7	1	15	14	1	15.00	14.00	1.00
		1993	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1994	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	4	4	0	6	6	0	6.00	6.00	0
	Resident	1991	1	1	0	6	6	0	12	12	0	12.00	12.00	0
		1992	1	1	0	6	6	0	11	11	0	10.00	10.00	0
		1993	1	1	1	4	3	1	8	6	2	8.00	6.00	2.00
		1994	1	1	1	7	7	1	11	10	1	11.00	10.00	1.00
		1995	1	1	0	6	6	0	16	16	0	12.00	12.00	0
		1996	1	1	0	5	5	0	13	13	0	12.00	12.00	0
		1997	1	1	0	6	6	0	12	12	0	12.00	12.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Neotropical Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
OAK-TULIP TREE	Class A	1991	2	2	1	13	13	1	80	79	1	40.00	39.50	0.50
		1992	2	2	1	14	14	1	44	43	1	22.00	21.50	0.50
		1993	2	2	0	14	14	0	44	44	0	21.50	21.50	0
		1994	2	2	1	16	15	8	54	46	8	27.00	23.00	4.00
		1995	2	2	0	15	15	0	31	31	0	15.50	15.50	0
		1996	2	2	1	13	12	1	30	29	1	15.00	14.50	0.50
		1997	2	2	0	16	16	0	41	41	0	20.50	20.50	0
	Class B	1991	2	2	0	4	4	0	24	24	0	12.00	12.00	0
		1992	2	2	0	3	3	0	10	10	0	5.00	5.00	0
		1993	2	2	1	7	6	1	13	12	1	6.50	6.00	0.50
		1994	2	2	1	6	6	1	13	12	1	6.00	5.50	0.50
		1995	2	2	0	5	5	0	12	12	0	6.00	6.00	0
		1996	2	2	0	5	5	0	10	10	0	5.00	5.00	0
		1997	2	2	0	8	8	0	22	22	0	10.00	10.00	0
	Resident	1991	2	2	1	6	6	1	13	12	1	6.50	6.00	0.50
		1992	2	2	0	6	6	0	13	13	0	6.00	6.00	0
		1993	2	2	1	8	7	1	15	14	1	7.50	7.00	0.50
		1994	2	2	1	6	5	1	10	9	1	5.00	4.50	0.50
		1995	2	2	0	9	9	0	23	23	0	11.50	11.50	0
		1996	2	2	0	5	5	0	7	7	0	3.50	3.50	0
		1997	2	2	0	6	6	0	8	8	0	4.00	4.00	0
RICH ROCKY WOODLANDS	Class A	1991	2	2	0	15	15	0	48	48	0	24.00	24.00	0
		1992	2	2	1	15	14	1	47	46	1	23.00	22.50	0.50
		1993	2	2	1	7	7	1	23	22	1	11.00	10.50	0.50
		1994	2	2	2	14	13	4	30	25	5	14.50	12.50	2.00
		1995	2	2	0	15	15	0	37	37	0	18.50	18.50	0
		1996	2	2	0	10	10	0	24	24	0	12.00	12.00	0
		1997	2	2	0	15	15	0	27	27	0	13.50	13.50	0
	Class B	1991	2	2	1	5	4	1	26	25	1	13.00	12.50	0.50
		1992	2	2	0	8	8	0	20	20	0	10.00	10.00	0
		1993	2	2	0	2	2	0	6	6	0	2.50	2.50	0
		1994	2	2	0	4	4	0	15	15	0	7.50	7.50	0
		1995	2	2	1	9	8	1	21	20	1	9.50	9.00	0.50
		1996	2	2	0	6	6	0	13	13	0	6.00	6.00	0
		1997	2	2	0	4	4	0	9	9	0	4.50	4.50	0
	Resident	1991	2	2	1	5	5	1	13	12	1	6.50	6.00	0.50
		1992	2	2	0	8	8	0	12	12	0	6.00	6.00	0
		1993	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1994	2	2	1	4	3	1	18	8	10	9.00	4.00	5.00
		1995	2	2	0	3	3	0	8	8	0	3.00	3.00	0
		1996	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1997	2	2	0	3	3	0	5	5	0	2.50	2.50	0
ROCKY SUMMIT GRASSLAND	Class A	1991	1	1	0	5	5	0	8	8	0	8.00	8.00	0
		1992	1	1	0	9	9	0	17	17	0	17.00	17.00	0
		1993	1	1	1	8	7	2	18	16	2	17.00	15.00	2.00
		1994	1	1	1	11	10	2	21	19	2	21.00	19.00	2.00
		1995	1	1	0	6	6	0	12	12	0	11.00	11.00	0
		1996	1	1	0	7	7	0	14	14	0	14.00	14.00	0
		1997	1	1	0	9	9	0	17	17	0	17.00	17.00	0

Vegetation Type	Neotropical Status	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	Class B	1991	1	1	1	9	8	1	27	26	1	27.00	26.00	1.00
		1992	1	1	1	7	6	1	11	10	1	11.00	10.00	1.00
		1993	1	1	1	7	6	2	16	14	2	15.00	13.00	2.00
		1994	1	1	1	5	4	1	9	8	1	9.00	8.00	1.00
		1995	1	1	0	7	7	0	11	11	0	11.00	11.00	0
		1996	1	1	0	4	4	0	9	9	0	9.00	9.00	0
		1997	1	1	1	6	6	1	16	15	1	16.00	15.00	1.00
	Resident	1991	1	1	0	4	4	0	9	9	0	9.00	9.00	0
		1992	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1993	1	1	1	5	4	1	8	7	1	7.00	6.00	1.00
		1994	1	1	0	3	3	0	8	8	0	8.00	8.00	0
		1995	1	1	0	3	3	0	6	6	0	4.00	4.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	2	2	0	3	3	0	3.00	3.00	0
SUCCESSIONAL	Class A	1991	1	1	1	8	8	1	36	35	1	36.00	35.00	1.00
HARDWOODS		1992	1	1	1	12	11	2	38	35	3	36.00	34.00	2.00
		1993	1	1	0	9	9	0	16	16	0	16.00	16.00	0
		1994	1	1	1	10	9	1	15	14	1	15.00	14.00	1.00
		1995	1	1	0	12	12	0	23	23	0	21.00	21.00	0
		1996	1	1	0	10	10	0	18	18	0	18.00	18.00	0
		1997	1	1	0	17	17	0	30	30	0	29.00	29.00	0
	Class B	1991	1	1	1	6	5	1	18	17	1	18.00	17.00	1.00
		1992	1	1	1	4	2	2	8	4	4	8.00	4.00	4.00
		1993	1	1	1	4	3	1	5	4	1	5.00	4.00	1.00
		1994	1	1	1	5	4	2	8	6	2	7.00	5.00	2.00
		1995	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1996	1	1	0	7	7	0	11	11	0	10.00	10.00	0
		1997	1	1	0	4	4	0	7	7	0	7.00	7.00	0
	Resident	1991	1	1	1	5	3	3	7	4	3	7.00	4.00	3.00
		1992	1	1	1	7	6	2	16	13	3	16.00	13.00	3.00
		1993	1	1	1	7	4	3	13	8	5	13.00	8.00	5.00
		1994	1	1	0	7	7	0	16	16	0	16.00	16.00	0
		1995	1	1	0	6	6	0	12	12	0	12.00	12.00	0
		1996	1	1	0	6	6	0	9	9	0	9.00	9.00	0
		1997	1	1	0	7	7	0	13	13	0	13.00	13.00	0

Table H2. Vegetation types for West Point by nest location.

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	GROUND	1991	2	2	0	8	8	0	47	47	0	23.50	23.50	0
		1992	2	2	1	7	7	1	25	24	1	12.50	12.00	0.50
		1993	2	2	0	5	5	0	17	17	0	8.50	8.50	0
		1994	2	2	0	5	5	0	13	13	0	6.50	6.50	0
		1995	2	2	0	8	8	0	18	18	0	9.00	9.00	0
		1996	2	2	0	4	4	0	14	14	0	6.50	6.50	0
		1997	2	2	0	6	6	0	19	19	0	8.50	8.50	0
	SHRUB	1991	2	2	0	2	2	0	9	9	0	4.50	4.50	0
		1992	2	2	0	4	4	0	11	11	0	5.50	5.50	0
		1993	2	2	0	4	4	0	7	7	0	3.50	3.50	0
		1994	2	2	1	3	2	1	3	2	1	1.50	1.00	0.50
		1995	2	2	0	4	4	0	11	11	0	5.50	5.50	0
		1996	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1997	2	2	0	5	5	0	11	11	0	5.50	5.50	0
	SNAG	1991	2	2	1	3	2	1	3	2	1	1.50	1.00	0.50
		1992	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1993	2	2	0	4	4	0	9	9	0	4.50	4.50	0
		1994	2	1	0	2	2	0	3	3	0	1.50	1.50	0
		1995	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1996	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1997	2	1	0	2	2	0	2	2	0	1.00	1.00	0
	WOODY LOWER CANOPY	1991	2	2	0	2	2	0	7	7	0	3.50	3.50	0
		1992	2	2	0	6	6	0	19	19	0	9.00	9.00	0
		1993	2	2	0	4	4	0	11	11	0	5.50	5.50	0
		1994	2	2	0	6	6	0	16	16	0	7.50	7.50	0
		1995	2	2	0	6	6	0	11	11	0	5.00	5.00	0
		1996	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1997	2	2	0	4	4	0	7	7	0	3.50	3.50	0
	WOODY UPPER CANOPY	1991	2	2	0	7	7	0	30	30	0	15.00	15.00	0
		1992	2	2	1	8	8	1	25	24	1	12.50	12.00	0.50
		1993	2	2	0	9	9	0	24	24	0	11.50	11.50	0
		1994	2	2	0	10	10	0	27	27	0	12.50	12.50	0
		1995	2	2	0	9	9	0	26	26	0	12.50	12.50	0
		1996	2	2	0	7	7	0	19	19	0	9.50	9.50	0
		1997	2	2	0	9	9	0	25	25	0	12.50	12.50	0
BURN BARREN/ OAK-HICKORY	GROUND	1991	1	1	1	8	5	3	27	23	4	27.00	23.00	4.00
		1992	1	1	1	10	7	5	21	15	6	21.00	15.00	6.00
		1993	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1994	1	1	1	5	1	4	5	1	4	5.00	1.00	4.00
		1995	1	1	0	4	4	0	8	8	0	7.00	7.00	0
		1996	1	1	1	7	6	1	9	8	1	9.00	8.00	1.00
		1997	1	1	0	4	4	0	6	6	0	6.00	6.00	0
	REED	1997	1	0	1	1	0	1	11	0	11	11.00	0	11.00
	SHRUB	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	2	2	0	4	4	0	4.00	4.00	0

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SNAG	1991	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1994	1	1	0	2	2	0	6	6	0	5.00	5.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	2	2	0	3	3	0	3.00	3.00	0
	WOODY LOWER	1991	1	1	0	5	5	0	13	13	0	13.00	13.00	0
	CANOPY	1992	1	1	0	2	2	0	6	6	0	6.00	6.00	0
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	1	2	2	1	3	2	1	3.00	2.00	1.00
		1995	1	1	0	4	4	0	6	6	0	5.00	5.00	0
		1996	1	1	1	5	4	1	11	8	3	11.00	8.00	3.00
		1997	1	1	0	3	3	0	5	5	0	5.00	5.00	0
	WOODY UPPER	1991	1	1	0	6	6	0	42	42	0	42.00	42.00	0
	CANOPY	1992	1	1	1	7	7	1	13	12	1	13.00	12.00	1.00
		1993	1	1	1	5	3	2	5	3	2	5.00	3.00	2.00
		1994	1	1	1	6	5	2	9	6	3	9.00	6.00	3.00
		1995	1	1	1	5	5	1	9	8	1	8.00	7.00	1.00
		1996	1	1	0	8	8	0	11	11	0	11.00	11.00	0
		1997	1	1	0	3	3	0	3	3	0	3.00	3.00	0
CHESTNUT OAK	GROUND	1991	7	6	1	8	8	1	84	83	1	12.00	11.86	0.14
		1992	7	7	2	12	11	2	70	68	2	10.00	9.71	0.29
		1993	7	7	1	7	6	1	33	32	1	4.43	4.29	0.14
		1994	7	7	1	9	9	1	40	39	1	5.57	5.43	0.14
		1995	7	7	0	8	8	0	42	42	0	6.00	6.00	0
		1996	7	7	0	8	8	0	30	30	0	4.29	4.29	0
		1997	7	7	1	12	11	1	43	41	2	6.14	5.86	0.29
	MAN-MADE	1991	7	1	0	1	1	0	2	2	0	0.29	0.29	0
	STRUCTURE	1992	7	1	1	1	1	1	2	1	1	0.29	0.14	0.14
		1993	7	1	0	1	1	0	2	2	0	0.14	0.14	0
		1994	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1995	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	REED	1993	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1994	7	0	1	1	0	1	4	0	4	0.57	0	0.57
		1996	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1997	7	1	1	1	1	1	2	1	1	0.29	0.14	0.14
	SHRUB	1991	7	4	1	6	4	2	25	22	3	3.57	3.14	0.43
		1992	7	6	2	6	5	3	22	17	5	3.14	2.43	0.71
		1993	7	6	3	6	3	4	17	13	4	2.43	1.86	0.57
		1994	7	6	1	6	3	4	20	15	5	2.86	2.14	0.71
		1995	7	4	0	4	4	0	11	11	0	1.57	1.57	0
		1996	7	6	1	6	5	1	15	14	1	2.14	2.00	0.14
		1997	7	5	0	4	4	0	16	16	0	2.29	2.29	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SNAG	1991	7	5	2	4	3	2	11	9	2	1.57	1.29	0.29
		1992	7	5	2	5	5	2	23	21	2	3.00	2.71	0.29
		1993	7	6	0	2	2	0	10	10	0	1.29	1.29	0
		1994	7	5	0	4	4	0	9	9	0	1.29	1.29	0
		1995	7	5	1	5	4	1	12	11	1	1.71	1.57	0.14
		1996	7	5	0	5	5	0	9	9	0	1.29	1.29	0
		1997	7	5	0	5	5	0	6	6	0	0.86	0.86	0
	WOODY LOWER CANOPY	1991	7	7	2	8	6	3	48	45	3	6.86	6.43	0.43
		1992	7	7	1	7	7	1	41	40	1	5.86	5.71	0.14
		1993	7	5	2	5	5	1	26	24	2	3.71	3.43	0.29
		1994	7	6	2	6	5	2	18	14	4	2.57	2.00	0.57
		1995	7	6	1	9	8	1	22	21	1	3.14	3.00	0.14
		1996	7	6	0	7	7	0	35	35	0	4.86	4.86	0
		1997	7	6	0	6	6	0	25	25	0	3.29	3.29	0
	WOODY UPPER CANOPY	1991	7	7	3	10	10	2	87	83	4	12.43	11.86	0.57
		1992	7	7	2	11	10	3	99	96	3	13.86	13.43	0.43
		1993	7	7	2	12	12	2	65	63	2	9.29	9.00	0.29
		1994	7	7	2	13	12	2	84	81	3	12.00	11.57	0.43
		1995	7	7	0	11	11	0	62	62	0	8.86	8.86	0
		1996	7	7	0	14	14	0	74	74	0	10.29	10.29	0
		1997	7	7	0	14	14	0	80	80	0	11.00	11.00	0
HEMLOCK-NORTHERN HARDWOOD	GROUND	1991	1	1	0	1	1	0	7	7	0	7.00	7.00	0
		1992	1	1	0	6	6	0	8	8	0	8.00	8.00	0
		1993	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1994	1	1	0	4	4	0	6	6	0	6.00	6.00	0
		1995	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1996	1	1	0	3	3	0	8	8	0	7.00	7.00	0
		1997	1	1	0	4	4	0	6	6	0	6.00	6.00	0
	MAN-MADE STRUCTURE	1991	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	SHRUB	1991	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1993	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1994	1	1	0	2	2	0	10	10	0	10.00	10.00	0
		1995	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	2	1	0	3	3	0	3.00	3.00	0
	SNAG	1991	1	1	0	2	2	0	6	6	0	6.00	6.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	WOODY LOWER CANOPY	1991	1	1	0	4	4	0	6	6	0	6.00	6.00	0
		1992	1	1	0	4	4	0	9	9	0	9.00	9.00	0
		1993	1	1	0	4	4	0	8	8	0	6.00	6.00	0
		1994	1	1	0	4	4	0	7	7	0	6.00	6.00	0
		1995	1	1	0	6	6	0	13	13	0	11.00	11.00	0
		1996	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1997	1	1	0	5	5	0	8	8	0	7.00	7.00	0

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	WOODY UPPER CANOPY	1991	1	1	0	7	7	0	9	9	0	9.00	9.00	0
		1992	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1993	1	1	0	6	6	0	8	8	0	8.00	8.00	0
		1994	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1995	1	1	0	6	6	0	12	12	0	11.00	11.00	0
		1996	1	1	0	5	5	0	8	8	0	7.00	7.00	0
		1997	1	1	0	5	5	0	7	7	0	7.00	7.00	0
MAPLE BEECH MESIC	GROUND	1991	2	2	1	5	4	1	13	12	1	6.50	6.00	0.50
		1992	2	2	2	6	5	2	11	9	2	5.00	4.00	1.00
		1993	2	2	2	5	4	2	7	5	2	3.50	2.50	1.00
		1994	2	2	0	4	4	0	8	8	0	4.00	4.00	0
		1995	2	2	0	6	6	0	13	13	0	6.50	6.50	0
		1996	2	2	1	4	3	1	11	4	7	5.50	2.00	3.50
		1997	2	2	0	4	4	0	6	6	0	3.00	3.00	0
	MAN-MADE STRUCTURE	1991	2	1	0	1	1	0	6	6	0	3.00	3.00	0
		1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1993	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	4	4	0	2.00	2.00	0
	SHRUB	1991	2	2	0	1	1	0	7	7	0	3.50	3.50	0
		1992	2	2	1	3	2	1	8	7	1	3.50	3.00	0.50
		1993	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1994	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1995	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1996	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1997	2	2	0	1	1	0	6	6	0	3.00	3.00	0
	SNAG	1991	2	2	0	3	3	0	18	18	0	9.00	9.00	0
		1992	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1993	2	2	0	3	3	0	10	10	0	5.00	5.00	0
		1994	2	2	1	3	2	1	9	8	1	3.50	3.00	0.50
		1995	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1996	2	2	0	4	4	0	7	7	0	3.50	3.50	0
		1997	2	2	0	5	5	0	7	7	0	3.50	3.50	0
	WOODY LOWER CANOPY	1991	2	2	0	5	5	0	27	27	0	13.50	13.50	0
		1992	2	2	0	6	6	0	30	30	0	14.50	14.50	0
		1993	2	2	0	4	4	0	20	20	0	9.00	9.00	0
		1994	2	2	0	6	6	0	19	19	0	9.50	9.50	0
		1995	2	2	0	6	6	0	14	14	0	7.00	7.00	0
		1996	2	2	0	4	4	0	17	17	0	7.50	7.50	0
		1997	2	2	0	6	6	0	18	18	0	9.00	9.00	0
	WOODY UPPER CANOPY	1991	2	2	0	9	9	0	51	51	0	25.50	25.50	0
		1992	2	2	1	9	7	2	23	21	2	11.00	10.00	1.00
		1993	2	2	1	7	7	1	24	23	1	11.50	11.00	0.50
		1994	2	2	0	7	7	0	29	29	0	14.50	14.50	0
		1995	2	2	0	7	7	0	24	24	0	11.00	11.00	0
		1996	2	2	1	11	10	1	26	25	1	13.00	12.50	0.50
		1997	2	2	1	9	9	1	28	27	1	13.50	13.00	0.50

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
OAK-HICKORY	BANK	1997	14	1	0	1	1	0	1	1	0	0.07	0.07	0
	GROUND	1991	14	12	6	12	11	8	160	148	12	11.43	10.57	0.86
		1992	14	13	7	14	12	7	125	109	16	8.64	7.50	1.14
		1993	14	12	6	11	10	5	67	55	12	4.64	3.79	0.86
		1994	14	14	7	11	11	6	74	62	12	5.14	4.29	0.86
		1995	14	14	1	12	11	1	81	80	1	5.71	5.64	0.07
		1996	14	13	1	12	11	1	71	67	4	5.00	4.71	0.29
		1997	14	14	1	11	11	1	99	96	3	7.00	6.79	0.21
	MAN-MADE STRUCTURE	1991	14	3	0	1	1	0	14	14	0	1.00	1.00	0
		1992	14	4	0	1	1	0	8	8	0	0.57	0.57	0
		1993	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1994	14	4	0	1	1	0	4	4	0	0.29	0.29	0
		1995	14	2	0	1	1	0	2	2	0	0.14	0.14	0
		1996	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1997	14	2	0	2	2	0	3	3	0	0.21	0.21	0
	REED	1991	14	1	0	1	1	0	18	18	0	1.29	1.29	0
		1992	14	0	1	1	0	1	6	0	6	0.43	0	0.43
		1993	14	1	0	1	1	0	7	7	0	0.50	0.50	0
		1994	14	1	0	1	1	0	15	15	0	1.07	1.07	0
		1995	14	1	0	1	1	0	9	9	0	0.64	0.64	0
		1996	14	1	0	1	1	0	13	13	0	0.57	0.57	0
		1997	14	1	1	1	1	1	15	11	4	1.07	0.79	0.29
	SHRUB	1991	14	13	2	7	6	2	66	64	2	4.71	4.57	0.14
		1992	14	12	4	7	6	4	59	50	9	4.14	3.57	0.57
		1993	14	12	3	8	5	4	38	33	5	2.64	2.29	0.36
		1994	14	13	4	8	7	5	58	49	9	4.00	3.36	0.64
		1995	14	12	3	12	10	4	53	39	14	3.79	2.79	1.00
		1996	14	14	1	8	8	1	39	38	1	2.79	2.71	0.07
		1997	14	13	1	10	10	1	51	49	2	3.57	3.43	0.14
	SNAG	1991	14	9	1	6	6	1	55	54	1	3.93	3.86	0.07
		1992	14	14	3	6	6	5	44	38	6	3.07	2.64	0.43
		1993	14	11	5	7	7	4	35	29	6	2.43	2.00	0.43
		1994	14	11	4	7	6	3	41	36	5	2.86	2.50	0.36
		1995	14	10	0	7	7	0	24	24	0	1.64	1.64	0
		1996	14	11	0	6	6	0	33	33	0	2.07	2.07	0
		1997	14	9	1	5	5	1	15	14	1	1.00	0.93	0.07
	WOODY LOWER CANOPY	1991	14	14	3	11	11	3	128	125	3	9.14	8.93	0.21
		1992	14	14	3	11	9	5	110	104	6	7.50	7.07	0.43
		1993	14	14	3	9	9	3	83	78	5	5.64	5.29	0.36
		1994	14	12	4	11	10	7	76	64	12	5.36	4.50	0.86
		1995	14	13	2	12	11	2	78	76	2	5.36	5.21	0.14
		1996	14	13	1	9	9	1	76	75	1	5.36	5.29	0.07
		1997	14	13	0	12	12	0	76	76	0	5.43	5.43	0
	WOODY UPPER CANOPY	1991	14	14	4	16	16	4	232	227	5	16.57	16.21	0.36
		1992	14	14	7	15	15	9	205	193	12	14.29	13.43	0.86
		1993	14	14	6	14	14	7	159	146	13	10.93	10.00	0.93
		1994	14	14	9	15	13	11	178	153	25	12.57	10.86	1.71
		1995	14	14	2	16	15	2	197	171	26	13.29	11.43	1.86
		1996	14	14	3	17	16	2	150	147	3	10.29	10.07	0.21
		1997	14	14	0	15	15	0	156	156	0	10.93	10.93	0

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
OAK-PINE	GROUND	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1992	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1993	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	MAN-MADE	1991	1	1	0	2	2	0	4	4	0	4.00	4.00	0
	STRUCTURE	1992	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	SHRUB	1991	1	1	0	2	2	0	5	5	0	5.00	5.00	0
		1992	1	1	0	3	3	0	5	5	0	4.00	4.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	1	4	3	1	6	5	1	5.00	4.00	1.00
		1995	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1996	1	1	0	2	2	0	5	5	0	5.00	5.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	SNAG	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1992	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1993	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	WOODY LOWER	1991	1	1	0	2	2	0	5	5	0	5.00	5.00	0
	CANOPY	1992	1	1	0	4	4	0	9	9	0	9.00	9.00	0
		1993	1	1	0	3	3	0	7	7	0	7.00	7.00	0
		1994	1	1	1	5	4	1	8	7	1	8.00	7.00	1.00
		1995	1	1	0	2	2	0	7	7	0	5.00	5.00	0
		1996	1	1	0	5	5	0	12	12	0	11.00	11.00	0
		1997	1	1	0	4	4	0	9	9	0	9.00	9.00	0
	WOODY UPPER	1991	1	1	0	6	6	0	13	13	0	13.00	13.00	0
	CANOPY	1992	1	1	1	8	7	1	17	16	1	17.00	16.00	1.00
		1993	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1994	1	1	1	6	6	1	11	10	1	11.00	10.00	1.00
		1995	1	1	0	8	8	0	17	17	0	14.00	14.00	0
		1996	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1997	1	1	0	7	7	0	14	14	0	14.00	14.00	0
OAK-TULIP	GROUND	1991	2	2	1	5	5	1	14	13	1	7.00	6.50	0.50
TREE		1992	2	2	0	4	4	0	8	8	0	4.00	4.00	0
		1993	2	1	0	5	5	0	6	6	0	3.00	3.00	0
		1994	2	2	1	6	6	3	9	6	3	4.50	3.00	1.50
		1995	2	2	0	6	6	0	9	9	0	4.50	4.50	0
		1996	2	1	0	3	3	0	4	4	0	2.00	2.00	0
		1997	2	2	0	4	4	0	5	5	0	2.50	2.50	0
	SHRUB	1991	2	2	0	1	1	0	13	13	0	6.50	6.50	0
		1992	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1993	2	2	0	2	2	0	7	7	0	3.50	3.50	0
		1994	2	2	1	2	2	1	10	9	1	5.00	4.50	0.50
		1995	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1996	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1997	2	2	0	3	3	0	10	10	0	5.00	5.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SNAG	1991	2	2	1	4	4	1	15	14	1	7.50	7.00	0.50
		1992	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1993	2	2	1	4	3	1	8	7	1	4.00	3.50	0.50
		1994	2	2	1	3	2	1	6	5	1	2.50	2.00	0.50
		1995	2	2	0	4	4	0	9	9	0	4.50	4.50	0
		1996	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1997	2	2	0	3	3	0	3	3	0	1.50	1.50	0
	WOODY LOWER CANOPY	1991	2	2	0	5	5	0	33	33	0	16.50	16.50	0
		1992	2	2	0	4	4	0	18	18	0	9.00	9.00	0
		1993	2	2	0	5	5	0	14	14	0	6.50	6.50	0
		1994	2	2	1	7	7	2	25	23	2	12.50	11.50	1.00
		1995	2	2	0	6	6	0	15	15	0	7.50	7.50	0
		1996	2	2	0	5	5	0	15	15	0	7.50	7.50	0
		1997	2	2	0	6	6	0	20	20	0	9.50	9.50	0
	WOODY UPPER CANOPY	1991	2	2	0	8	8	0	42	42	0	21.00	21.00	0
		1992	2	2	1	9	9	1	28	27	1	13.50	13.00	0.50
		1993	2	2	1	13	12	1	37	36	1	18.50	18.00	0.50
		1994	2	2	1	10	9	3	27	24	3	13.50	12.00	1.50
		1995	2	2	0	12	12	0	29	29	0	14.50	14.50	0
		1996	2	2	1	11	10	1	19	18	1	9.50	9.00	0.50
		1997	2	2	0	14	14	0	33	33	0	16.00	16.00	0
RICH ROCKY WOODLANDS	GROUND	1991	2	2	1	6	6	1	29	28	1	14.50	14.00	0.50
		1992	2	2	1	9	8	1	27	26	1	13.50	13.00	0.50
		1993	2	2	0	5	5	0	15	15	0	7.00	7.00	0
		1994	2	2	1	7	6	2	27	16	11	13.50	8.00	5.50
		1995	2	2	0	7	7	0	26	26	0	11.50	11.50	0
		1996	2	2	0	3	3	0	14	14	0	6.50	6.50	0
		1997	2	2	0	6	6	0	14	14	0	7.00	7.00	0
	MAN-MADE STRUCTURE	1991	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SHRUB	1991	2	2	0	6	6	0	11	11	0	5.50	5.50	0
		1992	2	2	0	5	5	0	14	14	0	6.50	6.50	0
		1993	2	2	1	2	2	1	10	9	1	4.50	4.00	0.50
		1994	2	2	0	4	4	0	7	7	0	3.50	3.50	0
		1995	2	2	0	6	6	0	16	16	0	8.00	8.00	0
		1996	2	2	0	4	4	0	10	10	0	5.00	5.00	0
		1997	2	2	0	3	3	0	7	7	0	3.50	3.50	0
	SNAG	1991	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1992	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1995	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1996	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	WOODY LOWER	1991	2	2	0	5	5	0	17	17	0	8.50	8.50	0
	CANOPY	1992	2	2	0	6	6	0	9	9	0	4.50	4.50	0
		1993	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1994	2	2	2	5	4	2	13	11	2	6.50	5.50	1.00
		1995	2	2	0	4	4	0	7	7	0	3.00	3.00	0
		1996	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1997	2	2	0	4	4	0	4	4	0	2.00	2.00	0
	WOODY UPPER	1991	2	2	0	5	5	0	27	27	0	13.50	13.50	0
	CANOPY	1992	2	2	0	8	8	0	23	23	0	11.50	11.50	0
		1993	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1994	2	2	1	6	6	1	16	14	2	7.50	7.00	0.50
		1995	2	2	1	8	7	1	13	12	1	6.50	6.00	0.50
		1996	2	2	0	6	6	0	10	10	0	5.00	5.00	0
		1997	2	2	0	7	7	0	14	14	0	7.00	7.00	0
ROCKY SUMMIT	GROUND	1991	1	1	0	4	4	0	15	15	0	15.00	15.00	0
GRASSLAND		1992	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1993	1	1	1	3	3	1	9	8	1	7.00	6.00	1.00
		1994	1	1	0	4	4	0	11	11	0	11.00	11.00	0
		1995	1	1	0	3	3	0	11	11	0	9.00	9.00	0
		1996	1	1	0	5	5	0	8	8	0	8.00	8.00	0
		1997	1	1	0	5	5	0	15	15	0	15.00	15.00	0
	MAN-MADE	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	STRUCTURE	1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SHRUB	1991	1	1	0	3	3	0	8	8	0	8.00	8.00	0
		1992	1	1	1	5	4	1	6	5	1	6.00	5.00	1.00
		1993	1	1	0	3	3	0	10	10	0	9.00	9.00	0
		1994	1	1	1	3	3	1	7	6	1	7.00	6.00	1.00
		1995	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1996	1	1	0	2	2	0	7	7	0	7.00	7.00	0
		1997	1	1	0	3	3	0	9	9	0	9.00	9.00	0
	SNAG	1991	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	1	1	4	3	1	7	6	1	7.00	6.00	1.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	WOODY LOWER	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	CANOPY	1992	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1993	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1994	1	1	1	6	5	1	10	9	1	10.00	9.00	1.00
		1995	1	1	0	4	4	0	6	6	0	6.00	6.00	0
		1996	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1997	1	1	0	3	3	0	4	4	0	4.00	4.00	0

Vegetation Type	Nest Location	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	WOODY UPPER CANOPY	1991	1	1	1	5	4	1	12	11	1	12.00	11.00	1.00
		1992	1	1	0	5	5	0	10	10	0	10.00	10.00	0
		1993	1	1	1	7	5	3	13	10	3	13.00	10.00	3.00
		1994	1	1	0	4	4	0	8	8	0	8.00	8.00	0
		1995	1	1	0	5	5	0	6	6	0	5.00	5.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	1	5	5	1	6	5	1	6.00	5.00	1.00
SUCCESSIONAL HARDWOODS	GROUND	1991	1	1	1	6	5	2	15	13	2	15.00	13.00	2.00
		1992	1	1	1	6	4	3	19	15	4	19.00	15.00	4.00
		1993	1	1	1	3	2	1	8	5	3	8.00	5.00	3.00
		1994	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1995	1	1	0	4	4	0	9	9	0	8.00	8.00	0
		1996	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1997	1	1	0	7	7	0	16	16	0	16.00	16.00	0
	MAN-MADE STRUCTURE	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	REED	1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SHRUB	1991	1	1	1	6	6	1	30	29	1	30.00	29.00	1.00
		1992	1	1	1	5	5	1	14	13	1	13.00	12.00	1.00
		1993	1	1	1	6	5	1	10	9	1	10.00	9.00	1.00
		1994	1	1	1	6	5	1	12	11	1	12.00	11.00	1.00
		1995	1	1	0	7	7	0	17	17	0	16.00	16.00	0
		1996	1	1	0	5	5	0	11	11	0	11.00	11.00	0
		1997	1	1	0	6	6	0	12	12	0	11.00	11.00	0
	SNAG	1991	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1992	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	1	2	2	1	4	3	1	3.00	2.00	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	WOODY LOWER CANOPY	1991	1	1	0	2	2	0	11	11	0	11.00	11.00	0
		1992	1	1	1	5	4	1	12	10	2	11.00	10.00	1.00
		1993	1	1	1	5	4	1	10	9	1	10.00	9.00	1.00
		1994	1	1	0	4	4	0	4	4	0	4.00	4.00	0
		1995	1	1	0	4	4	0	6	6	0	6.00	6.00	0
		1996	1	1	0	3	3	0	5	5	0	4.00	4.00	0
		1997	1	1	0	7	7	0	13	13	0	13.00	13.00	0
	WOODY UPPER CANOPY	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1992	1	1	1	6	5	1	14	11	3	14.00	11.00	3.00
		1993	1	1	1	4	3	1	4	3	1	4.00	3.00	1.00
		1994	1	1	1	5	4	1	10	9	1	10.00	9.00	1.00
		1995	1	1	0	5	5	0	5	5	0	5.00	5.00	0
		1996	1	1	0	8	8	0	12	12	0	12.00	12.00	0
		1997	1	1	0	8	8	0	9	9	0	9.00	9.00	0

Table H3. Total number of birds within each vegetation type by nest location.

Vegetation Type	Bank	Ground	Man-made Structure	Reed	Shrub	Snag	Woody Lower Canopy	Woody Upper Canopy	Totals
Burn Barren	0	152	0	0	57	30	80	175	494
Burn Barren/ Oak-Hickory	0	68	0	0	12	23	42	85	230
Chestnut Oak	0	335	6	3	108	75	204	539	1,270
Hemlock-Northern Hardwood	0	45	7	0	28	9	56	52	197
Maple Beech Mesic	0	57	17	0	38	55	145	200	512
Oak-Hickory	1	617	33	73	322	228	598	1,193	3,065
Oak-Pine	0	8	4	0	28	11	56	84	191
Oak Tulip Tree	0	51	0	0	55	48	138	209	501
Rich Rocky Woodlands	0	139	4	0	74	12	60	106	395
Rocky Summit Grassland	0	73	2	0	47	22	39	53	236
Successional Hardwoods	0	74	0	1	102	12	58	51	298
Totals	1	1,619	73	77	871	525	1,476	2,747	7,389

Table H4. Vegetation types for West Point by nest type.

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	CAVITY	1991	2	2	1	6	5	1	16	15	1	8.00	7.50	0.50
		1992	2	2	1	7	7	1	18	17	1	9.00	8.50	0.50
		1993	2	2	0	7	7	0	13	13	0	6.50	6.50	0
		1994	2	2	0	5	5	0	12	12	0	5.50	5.50	0
		1995	2	2	0	6	6	0	11	11	0	5.50	5.50	0
		1996	2	2	0	5	5	0	9	9	0	4.50	4.50	0
		1997	2	2	0	5	5	0	8	8	0	4.00	4.00	0
	CUP	1991	2	2	0	12	12	0	65	65	0	32.50	32.50	0
		1992	2	2	1	15	15	1	52	51	1	25.50	25.00	0.50
		1993	2	2	0	14	14	0	41	41	0	20.50	20.50	0
		1994	2	2	1	14	13	1	32	31	1	15.50	15.00	0.50
		1995	2	2	0	17	17	0	45	45	0	22.00	22.00	0
		1996	2	2	0	10	10	0	33	33	0	16.00	16.00	0
		1997	2	2	0	16	16	0	44	44	0	21.00	21.00	0
	OVEN	1991	2	2	0	1	1	0	7	7	0	3.50	3.50	0
		1992	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1993	2	1	0	1	1	0	3	3	0	1.50	1.50	0
		1994	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1995	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	2	0	1	1	0	2	2	0	1.00	1.00	0
	PARASITIC	1994	2	1	0	1	1	0	2	2	0	0.50	0.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	PENDANT	1992	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1993	2	2	0	1	1	0	6	6	0	2.50	2.50	0
		1994	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1995	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1996	2	2	0	1	1	0	8	8	0	4.00	4.00	0
		1997	2	2	0	1	1	0	5	5	0	2.50	2.50	0
	PLATFORM	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	2	2	0	1.00	1.00	0
	SAUCER	1991	2	1	0	1	1	0	4	4	0	2.00	2.00	0
		1992	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1993	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1994	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1995	2	2	0	2	2	0	6	6	0	2.50	2.50	0
		1996	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	3	3	0	1.50	1.50	0
	SCRAPE	1991	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1992	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN/	CAVITY	1991	1	1	1	5	4	1	9	8	1	9.00	8.00	1.00
OAK-HICKORY		1992	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1993	1	1	0	6	6	0	9	9	0	9.00	9.00	0
		1994	1	1	0	3	3	0	7	7	0	6.00	6.00	0
		1995	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1996	1	1	0	5	5	0	6	6	0	6.00	6.00	0
		1997	1	1	0	4	4	0	5	5	0	5.00	5.00	0
	CUP	1991	1	1	0	12	12	0	68	68	0	68.00	68.00	0
		1992	1	1	1	12	9	5	27	21	6	27.00	21.00	6.00
		1993	1	1	1	10	9	1	14	13	1	14.00	13.00	1.00
		1994	1	1	1	9	6	4	13	8	5	13.00	8.00	5.00
		1995	1	1	0	9	9	0	16	16	0	14.00	14.00	0
		1996	1	1	1	12	10	2	21	17	4	21.00	17.00	4.00
		1997	1	1	1	10	9	1	25	14	11	25.00	14.00	11.00
	OVEN	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PARASITIC	1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PENDANT	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PLATFORM	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	1	1	1	1	3	2	1	2.00	1.00	1.00
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	SAUCER	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1994	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	SCRAPE	1991	1	0	1	2	0	2	3	0	3	3.00	0	3.00
		1992	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
		1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
CHESTNUT OAK	ABANDONED	1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	CAVITY	1991	7	7	3	8	7	3	28	25	3	4.00	3.57	0.43
		1992	7	7	3	9	9	3	60	57	3	8.00	7.57	0.43
		1993	7	7	0	7	7	0	30	30	0	4.14	4.14	0
		1994	7	7	0	8	8	0	32	32	0	4.57	4.57	0
		1995	7	7	1	10	9	1	36	35	1	5.14	5.00	0.14
		1996	7	7	0	9	9	0	29	29	0	4.14	4.14	0
		1997	7	7	0	10	10	0	31	31	0	4.43	4.43	0
	CUP	1991	7	7	3	24	20	5	166	160	6	23.71	22.86	0.86
		1992	7	7	2	25	23	8	134	124	10	19.14	17.71	1.43
		1993	7	7	5	24	19	8	91	82	9	12.71	11.43	1.29
		1994	7	7	2	24	19	8	99	87	12	14.00	12.29	1.71
		1995	7	7	1	21	20	1	78	77	1	11.14	11.00	0.14
		1996	7	7	1	25	24	1	93	92	1	13.14	13.00	0.14
		1997	7	7	1	23	23	1	96	95	1	13.43	13.29	0.14

Guild Summaries by Vegetation Groupings

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	OVEN	1991	7	5	0	1	1	0	43	43	0	6.14	6.14	0
		1992	7	7	0	1	1	0	19	19	0	2.71	2.71	0
		1993	7	7	0	1	1	0	17	17	0	2.29	2.29	0
		1994	7	7	0	1	1	0	17	17	0	2.43	2.43	0
		1995	7	7	0	1	1	0	15	15	0	2.14	2.14	0
		1996	7	7	0	1	1	0	16	16	0	2.29	2.29	0
		1997	7	6	0	1	1	0	14	14	0	2.00	2.00	0
	PARASITIC	1991	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1994	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1995	7	2	0	1	1	0	2	2	0	0.29	0.29	0
		1996	7	2	0	1	1	0	2	2	0	0.29	0.29	0
		1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	PENDANT	1991	7	1	1	1	1	1	4	2	2	0.57	0.29	0.29
		1992	7	7	0	1	1	0	13	13	0	1.86	1.86	0
		1993	7	3	0	1	1	0	7	7	0	1.00	1.00	0
		1994	7	2	1	1	1	1	7	5	2	1.00	0.71	0.29
		1995	7	4	0	1	1	0	8	8	0	1.14	1.14	0
		1996	7	3	0	1	1	0	7	7	0	1.00	1.00	0
		1997	7	3	0	1	1	0	8	8	0	1.14	1.14	0
	PLATFORM	1992	7	1	1	2	1	1	2	1	1	0.29	0.14	0.14
		1994	7	1	1	2	1	1	2	1	1	0.29	0.14	0.14
		1995	7	2	0	2	2	0	2	2	0	0.29	0.29	0
		1996	7	3	0	2	2	0	4	4	0	0.43	0.43	0
	SAUCER	1991	7	3	2	1	1	1	13	11	2	1.86	1.57	0.29
		1992	7	7	0	2	2	0	27	27	0	3.86	3.86	0
		1993	7	5	1	1	1	1	9	8	1	1.29	1.14	0.14
		1994	7	6	1	2	1	1	17	14	3	2.43	2.00	0.43
		1995	7	5	0	1	1	0	8	8	0	1.14	1.14	0
		1996	7	7	0	1	1	0	13	13	0	1.71	1.71	0
		1997	7	6	0	2	2	0	16	16	0	1.86	1.86	0
	SCRAPE	1991	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1992	7	2	0	2	2	0	2	2	0	0.29	0.29	0
		1994	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1995	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1996	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	2	1	3	2	1	5	3	2	0.71	0.43	0.29
HEMLOCK-NORTHERN HARDWOOD	CAVITY	1991	1	1	0	4	4	0	8	8	0	8.00	8.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	1	3	2	1	3	2	1	3.00	2.00	1.00
		1995	1	1	1	4	3	1	6	5	1	6.00	5.00	1.00
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	CUP	1991	1	1	0	12	12	0	26	26	0	26.00	26.00	0
		1992	1	1	0	12	12	0	19	19	0	19.00	19.00	0
		1993	1	1	0	11	11	0	17	17	0	15.00	15.00	0
		1994	1	1	0	10	10	0	25	25	0	24.00	24.00	0
		1995	1	1	0	16	16	0	30	30	0	27.00	27.00	0
		1996	1	1	0	9	9	0	15	15	0	14.00	14.00	0
		1997	1	1	0	12	11	0	20	20	0	19.00	19.00	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	OVEN	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PARASITIC	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PENDANT	1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SAUCER	1991	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	3	3	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SCRAPE	1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
MAPLE BEECH	CAVITY	1991	2	2	0	7	7	0	27	27	0	13.50	13.50	0
MESIC		1992	2	2	0	5	5	0	6	6	0	3.00	3.00	0
		1993	2	2	1	6	6	1	17	16	1	8.00	7.50	0.50
		1994	2	2	1	6	5	1	13	12	1	5.50	5.00	0.50
		1995	2	2	0	4	4	0	7	7	0	3.50	3.50	0
		1996	2	2	0	8	8	0	15	15	0	7.50	7.50	0
		1997	2	2	0	9	9	0	12	12	0	6.00	6.00	0
	CUP	1991	2	2	1	14	13	1	80	79	1	40.00	39.50	0.50
		1992	2	2	2	17	13	5	58	53	5	27.50	25.00	2.50
		1993	2	2	1	10	10	1	40	39	1	19.00	18.50	0.50
		1994	2	2	0	10	10	0	42	42	0	21.00	21.00	0
		1995	2	2	0	13	13	0	36	36	0	18.00	18.00	0
		1996	2	2	0	11	11	0	34	34	0	16.00	16.00	0
		1997	2	2	0	11	11	0	39	39	0	19.00	19.00	0
	OVEN	1991	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	2	0	1	1	0	2	2	0	1.00	1.00	0
	PARASITIC	1991	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	2	2	0	0.50	0.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	PENDANT	1992	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1993	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1994	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1995	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1996	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1997	2	2	0	1	1	0	3	3	0	1.50	1.50	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	PLATFORM	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1997	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
	SAUCER	1991	2	2	0	1	1	0	10	10	0	5.00	5.00	0
		1992	2	2	0	1	1	0	5	5	0	2.00	2.00	0
		1993	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1994	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1995	2	2	0	2	2	0	7	7	0	3.00	3.00	0
		1996	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1997	2	2	0	2	2	0	10	10	0	5.00	5.00	0
	SCRAPE	1993	2	1	1	2	1	1	2	1	1	1.00	0.50	0.50
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	0	1	1	0	1	7	0	7	3.50	0	3.50
OAK-HICKORY	BURROW	1997	14	1	0	1	1	0	1	1	0	0.07	0.07	0
	CAVITY	1991	14	12	3	12	12	3	100	97	3	7.14	6.93	0.21
		1992	14	14	5	11	11	8	100	90	10	6.93	6.21	0.71
		1993	14	14	5	12	12	6	80	72	8	5.43	4.86	0.57
		1994	14	14	6	12	11	8	76	64	12	5.36	4.50	0.86
		1995	14	14	0	12	12	0	71	71	0	4.93	4.93	0
		1996	14	13	0	11	11	0	63	63	0	4.14	4.14	0
		1997	14	13	1	10	10	1	52	51	1	3.64	3.57	0.07
	CUP	1991	14	14	6	35	33	11	445	433	12	31.79	30.93	0.86
		1992	14	14	9	34	29	17	329	298	31	23.07	20.93	2.14
		1993	14	14	9	31	28	13	235	217	18	16.29	15.00	1.29
		1994	14	14	10	31	30	17	284	247	37	19.86	17.29	2.57
		1995	14	14	5	39	35	7	284	243	41	19.93	17.00	2.93
		1996	14	14	3	31	30	3	221	218	3	15.36	15.14	0.21
		1997	14	14	1	37	37	2	245	239	6	17.29	16.86	0.43
	OVEN	1991	14	11	0	1	1	0	48	48	0	3.43	3.43	0
		1992	14	5	1	1	1	1	35	34	1	2.29	2.21	0.07
		1993	14	8	0	1	1	0	16	16	0	1.14	1.14	0
		1994	14	7	2	1	1	1	19	16	3	1.36	1.14	0.21
		1995	14	8	0	1	1	0	22	22	0	1.50	1.50	0
		1996	14	10	0	1	1	0	19	19	0	1.36	1.36	0
		1997	14	13	0	1	1	0	30	30	0	2.14	2.14	0
	PARASITIC	1991	14	3	0	1	1	0	3	3	0	0.21	0.21	0
		1992	14	5	1	1	1	1	11	10	1	0.79	0.71	0.07
		1993	14	2	0	1	1	0	2	2	0	0.14	0.14	0
		1994	14	3	0	1	1	0	3	3	0	0.21	0.21	0
		1995	14	5	0	1	1	0	10	10	0	0.50	0.50	0
		1996	14	6	0	1	1	0	6	6	0	0.43	0.43	0
		1997	14	8	0	1	1	0	15	15	0	1.00	1.00	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	PENDANT	1991	14	7	1	1	1	1	33	32	1	2.36	2.29	0.07
		1992	14	10	1	2	2	1	32	31	1	2.29	2.21	0.07
		1993	14	5	2	1	1	1	10	7	3	0.71	0.50	0.21
		1994	14	10	2	2	1	2	22	18	4	1.57	1.29	0.29
		1995	14	11	0	1	1	0	17	17	0	1.14	1.14	0
		1996	14	11	0	1	1	0	19	19	0	1.36	1.36	0
		1997	14	9	0	1	1	0	18	18	0	1.21	1.21	0
	PLATFORM	1991	14	1	2	1	1	1	4	2	2	0.29	0.14	0.14
		1992	14	2	1	2	2	1	3	2	1	0.21	0.14	0.07
		1993	14	2	1	2	2	1	4	3	1	0.29	0.21	0.07
		1994	14	0	2	2	0	2	2	0	2	0.14	0	0.14
		1995	14	3	2	3	2	2	5	3	2	0.36	0.21	0.14
		1996	14	9	2	4	4	1	11	9	2	0.79	0.64	0.14
		1997	14	3	0	2	2	0	4	4	0	0.29	0.29	0
	SAUCER	1991	14	11	0	1	1	0	30	30	0	2.14	2.14	0
		1992	14	13	1	1	1	1	35	34	1	2.21	2.14	0.07
		1993	14	13	3	2	2	1	35	32	3	2.29	2.07	0.21
		1994	14	12	3	2	2	1	33	28	5	2.29	1.93	0.36
		1995	14	14	0	2	2	0	30	30	0	1.86	1.86	0
		1996	14	13	0	2	2	0	35	35	0	2.14	2.14	0
		1997	14	11	0	2	2	0	25	25	0	1.79	1.79	0
	SCRAPE	1991	14	2	3	2	2	2	10	5	5	0.71	0.36	0.36
		1992	14	3	4	3	2	1	12	3	9	0.86	0.21	0.64
		1993	14	0	2	1	0	1	8	0	8	0.57	0	0.57
		1994	14	2	1	3	3	1	7	7	0	0.50	0.50	0
		1995	14	4	0	2	2	0	5	5	0	0.36	0.36	0
		1996	14	2	1	3	2	1	9	5	4	0.57	0.29	0.29
		1997	14	5	1	2	2	1	26	23	3	1.86	1.64	0.21
OAK-PINE	CAVITY	1991	1	1	0	5	5	0	16	16	0	16.00	16.00	0
		1992	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1993	1	1	0	3	3	0	8	8	0	8.00	8.00	0
		1994	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1995	1	1	0	5	5	0	12	12	0	9.00	9.00	0
		1996	1	1	0	4	4	0	7	7	0	6.00	6.00	0
		1997	1	1	0	5	5	0	11	11	0	11.00	11.00	0
	CUP	1991	1	1	0	6	6	0	10	10	0	10.00	10.00	0
		1992	1	1	1	13	12	1	25	24	1	24.00	23.00	1.00
		1993	1	1	0	5	5	0	8	8	0	8.00	8.00	0
		1994	1	1	1	11	9	3	18	15	3	17.00	14.00	3.00
		1995	1	1	0	8	8	0	14	14	0	13.00	13.00	0
		1996	1	1	0	8	8	0	18	18	0	18.00	18.00	0
		1997	1	1	0	8	8	0	16	16	0	16.00	16.00	0
	OVEN	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PARASITIC	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PENDANT	1992	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SAUCER	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1994	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1995	1	1	0	1	1	0	3	3	0	2.00	2.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	SCRAPE	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
OAK-TULIP TREE	CAVITY	1991	2	2	1	6	6	1	23	22	1	11.50	11.00	0.50
		1992	2	2	1	6	6	1	12	11	1	6.00	5.50	0.50
		1993	2	2	1	9	8	1	15	14	1	7.50	7.00	0.50
		1994	2	2	1	4	3	1	7	6	1	3.00	2.50	0.50
		1995	2	2	0	8	8	0	16	16	0	8.00	8.00	0
		1996	2	2	0	4	4	0	5	5	0	2.50	2.50	0
		1997	2	2	0	6	6	0	7	7	0	3.50	3.50	0
	CUP	1991	2	2	1	14	14	1	75	74	1	37.50	37.00	0.50
		1992	2	2	0	13	13	0	44	44	0	21.50	21.50	0
		1993	2	2	0	15	15	0	47	47	0	23.00	23.00	0
		1994	2	2	1	18	17	8	59	51	8	29.50	25.50	4.00
		1995	2	2	0	16	16	0	40	40	0	20.00	20.00	0
		1996	2	2	1	14	13	1	30	29	1	15.00	14.50	0.50
		1997	2	2	0	19	19	0	50	50	0	24.50	24.50	0
	OVEN	1991	2	2	0	1	1	0	6	6	0	3.00	3.00	0
		1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	2	2	0	1.00	1.00	0
	PARASITIC	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	2	0	1	1	0	4	4	0	1.50	1.50	0
	PENDANT	1991	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1992	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1993	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1994	2	2	1	1	1	1	3	2	1	1.50	1.00	0.50
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1997	2	2	0	1	1	0	3	3	0	1.50	1.50	0
	PLATFORM	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	2	0	1	1	0	2	2	0	1.00	1.00	0
	SAUCER	1991	2	2	0	1	1	0	8	8	0	4.00	4.00	0
		1992	2	2	0	1	1	0	6	6	0	3.00	3.00	0
		1993	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1994	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1995	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1996	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1997	2	2	0	2	2	0	5	5	0	2.50	2.50	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SCRAPE	1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
RICH ROCKY WOODLANDS	CAVITY	1991	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1992	2	2	0	6	6	0	10	10	0	5.00	5.00	0
		1995	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1996	2	2	0	3	3	0	4	4	0	2.00	2.00	0
		1997	2	2	0	2	2	0	5	5	0	2.50	2.50	0
	CUP	1991	2	2	1	19	18	1	70	69	1	35.00	34.50	0.50
		1992	2	2	1	21	20	1	52	51	1	25.50	25.00	0.50
		1993	2	2	1	9	9	1	29	28	1	13.50	13.00	0.50
		1994	2	2	1	17	17	2	42	40	2	21.00	20.00	1.00
		1995	2	2	0	20	20	0	52	52	0	24.00	24.00	0
		1996	2	2	0	12	12	0	33	33	0	16.00	16.00	0
		1997	2	2	0	17	17	0	31	31	0	15.50	15.50	0
	OVEN	1991	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1992	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1993	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1994	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1995	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	PARASITIC	1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	PENDANT	1992	2	1	0	1	1	0	5	5	0	2.50	2.50	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	PLATFORM	1994	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1995	2	1	1	2	1	1	2	1	1	1.00	0.50	0.50
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SAUCER	1991	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1992	2	1	0	1	1	0	7	7	0	3.50	3.50	0
		1994	2	1	1	1	1	1	3	1	2	1.00	0.50	0.50
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1997	2	1	0	1	1	0	3	3	0	1.50	1.50	0
	SCRAPE	1991	2	1	1	1	1	1	4	3	1	2.00	1.50	0.50
		1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1993	2	1	0	1	1	0	3	3	0	1.50	1.50	0
		1994	2	0	1	1	0	1	10	0	10	5.00	0	5.00
ROCKY SUMMIT GRASSLAND	CAVITY	1991	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1992	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1993	1	1	1	6	5	1	11	10	1	11.00	10.00	1.00
		1994	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1995	1	1	0	4	4	0	6	6	0	5.00	5.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	2	2	0	3	3	0	3.00	3.00	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	CUP	1991	1	1	0	11	11	0	33	33	0	33.00	33.00	0
		1992	1	1	1	13	12	1	20	19	1	20.00	19.00	1.00
		1993	1	1	1	10	10	1	26	25	1	23.00	22.00	1.00
		1994	1	1	1	14	12	3	26	23	3	26.00	23.00	3.00
		1995	1	1	0	10	10	0	21	21	0	19.00	19.00	0
		1996	1	1	0	10	10	0	21	21	0	21.00	21.00	0
		1997	1	1	0	13	13	0	30	30	0	30.00	30.00	0
	PARASITIC	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	PENDANT	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PLATFORM	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1993	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
	SAUCER	1992	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1993	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
		1994	1	1	0	2	2	0	5	5	0	5.00	5.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SCRAPE	1994	1	1	0	1	1	0	3	3	0	3.00	3.00	0
SUCCESSIONAL HARDWOODS	CAVITY	1991	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1992	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1993	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1994	1	1	1	4	4	1	7	6	1	6.00	5.00	1.00
		1995	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1996	1	1	0	4	4	0	4	4	0	4.00	4.00	0
		1997	1	1	0	3	3	0	4	4	0	4.00	4.00	0
	CUP	1991	1	1	1	16	15	3	58	55	3	58.00	55.00	3.00
		1992	1	1	1	16	14	4	48	41	7	46.00	40.00	6.00
		1993	1	1	1	13	10	3	21	18	3	21.00	18.00	3.00
		1994	1	1	1	14	13	1	27	26	1	27.00	26.00	1.00
		1995	1	1	0	16	16	0	29	29	0	28.00	28.00	0
		1996	1	1	0	15	15	0	29	29	0	28.00	28.00	0
		1997	1	1	0	22	22	0	39	39	0	38.00	38.00	0
	OVEN	1992	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1995	1	1	0	1	1	0	3	3	0	2.00	2.00	0
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	PARASITIC	1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	PENDANT	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SAUCER	1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0

Vegetation Type	Nest Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SCRAPE	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	0	1	2	0	2	3	0	3	3.00	0	3.00
		1993	1	0	1	1	0	1	3	0	3	3.00	0	3.00
		1994	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0

Table H5. Total number of birds within each vegetation type by nest type.

Vegetation Type	Abandoned	Burrow	Cavity	Cup	Oven	Parasitic	Pendant	Platform	Saucer	Scrape	Totals
Burn Barren	0	0	85	310	23	4	31	3	28	10	494
Burn Barren/ Oak-Hickory	0	0	47	157	4	1	3	6	10	2	230
Chestnut Oak	1	0	239	717	141	7	50	8	97	10	1,270
Hemlock-Northern Hrd	0	0	21	152	2	5	1	0	13	3	197
Maple Beech Mesic	0	0	95	322	14	8	23	4	44	2	512
Oak-Hickory	0	1	508	1,895	185	49	142	23	214	48	3,065
Oak-Pine	0	0	68	105	2	3	1	0	10	2	191
Oak Tulip Tree	0	0	85	345	12	9	23	4	35	2	501
Rich Rocky Woodlands	0	0	31	304	18	1	12	2	20	7	395
Rocky Summit Grassland	0	0	40	172	0	2	4	3	12	3	236
Successional Hardwoods	0	0	35	237	12	1	4	0	3	6	298
Totals	1	1	1,250	4,706	413	90	294	53	486	95	7,389

Table H6. Vegetation types for West Point by food type.

Vegetation Type	Food Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	FRUIT	1991	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	2	0	1	1	0	2	2	0	1.00	1.00	0
	GREENS	1991	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	INSECTS	1991	2	2	1	18	17	1	89	88	1	44.50	44.00	0.50
		1992	2	2	1	26	26	2	82	80	2	40.50	39.50	1.00
		1993	2	2	0	23	23	0	65	65	0	32.00	32.00	0
		1994	2	2	1	22	21	1	57	56	1	27.00	26.50	0.50
		1995	2	2	0	27	27	0	68	68	0	33.00	33.00	0
		1996	2	2	0	17	17	0	51	51	0	25.00	25.00	0
		1997	2	2	0	25	25	0	63	63	0	30.50	30.50	0
	SEEDS	1991	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	2	0	3	3	0	4	4	0	2.00	2.00	0
		1995	2	1	0	2	2	0	2	2	0	1.00	1.00	0
	SMALL MAMMALS	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
BURN BARREN/ OAK-HICKORY	AQUATIC INVERTS	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	FRUIT	1991	1	1	0	1	1	0	31	31	0	31.00	31.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	GREENS	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
	INSECTS	1991	1	1	1	16	15	1	37	36	1	37.00	36.00	1.00
		1992	1	1	1	16	15	3	36	33	3	36.00	33.00	3.00
		1993	1	1	1	15	13	2	22	20	2	22.00	20.00	2.00
		1994	1	1	1	14	10	6	23	16	7	22.00	15.00	7.00
		1995	1	1	0	12	12	0	20	20	0	18.00	18.00	0
		1996	1	1	1	20	18	2	31	27	4	31.00	27.00	4.00
		1997	1	1	1	13	12	1	29	18	11	29.00	18.00	11.00
	SEEDS	1991	1	1	1	3	2	1	15	13	2	15.00	13.00	2.00
		1992	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	SMALL MAMMALS	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	1	1	1	1	3	2	1	2.00	1.00	1.00
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0

Vegetation Type	Food Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
CHESTNUT OAK	AQUATIC INVERTS	1992	7	1	0	2	2	0	5	5	0	0.71	0.71	0
		1993	7	2	0	1	1	0	2	2	0	0.29	0.29	0
		1994	7	1	0	1	1	0	2	2	0	0.14	0.14	0
		1995	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1996	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1997	7	1	0	2	2	0	2	2	0	0.29	0.29	0
	FRUIT	1991	7	3	0	1	1	0	3	3	0	0.43	0.43	0
		1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1993	7	4	0	1	1	0	12	12	0	1.71	1.71	0
		1994	7	4	0	1	1	0	13	13	0	1.86	1.86	0
		1996	7	3	0	1	1	0	4	4	0	0.57	0.57	0
		1997	7	2	0	1	1	0	2	2	0	0.29	0.29	0
	GREENS	1991	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	0	1	1	0	1	2	0	2	0.29	0	0.29
	INSECTS	1991	7	7	4	34	30	9	251	239	12	35.86	34.14	1.71
		1992	7	7	4	33	31	10	241	231	10	33.86	32.43	1.43
		1993	7	7	5	31	26	8	138	129	9	19.14	17.86	1.29
		1994	7	7	2	35	30	9	156	142	14	22.29	20.29	2.00
		1995	7	7	1	35	34	1	146	145	1	20.86	20.71	0.14
		1996	7	7	0	35	35	0	153	153	0	21.57	21.57	0
		1997	7	7	1	35	35	1	162	161	1	22.43	22.29	0.14
	SEEDS	1992	7	3	2	3	3	1	7	4	3	1.00	0.57	0.43
		1993	7	1	1	1	1	1	2	1	1	0.29	0.14	0.14
		1994	7	1	1	2	1	1	4	1	3	0.57	0.14	0.43
		1995	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1996	7	1	1	2	1	1	2	1	1	0.29	0.14	0.14
		1997	7	2	0	2	2	0	3	3	0	0.43	0.43	0
	SMALL MAMMALS	1991	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1992	7	1	1	2	1	1	2	1	1	0.29	0.14	0.14
		1994	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1995	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1996	7	2	0	2	2	0	4	4	0	0.43	0.43	0
		1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
HEMLOCK-NORTHERN HARDWOOD	AQUATIC INVERTS	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1995	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	FRUIT	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	GREENS	1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	INSECTS	1991	1	1	0	16	16	0	36	36	0	36.00	36.00	0
		1992	1	1	0	14	14	0	21	21	0	21.00	21.00	0
		1993	1	1	0	14	14	0	22	22	0	20.00	20.00	0
		1994	1	1	0	10	10	0	16	16	0	15.00	15.00	0
		1995	1	1	0	20	20	0	36	36	0	33.00	33.00	0
		1996	1	1	0	12	12	0	21	21	0	19.00	19.00	0
		1997	1	1	0	13	13	0	21	21	0	20.00	20.00	0

Vegetation Type	Food Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SEEDS	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	8	8	0	8.00	8.00	0
		1997	1	1	0	2	1	0	1	1	0	1.00	1.00	0
	SMALL MAMMALS	1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
MAPLE BEECH	AQUATIC INVERTS	1991	2	0	1	1	0	1	1	0	1	0.50	0	0.50
MESIC		1992	2	2	0	1	1	0	2	2	0	1.00	1.00	0
	BIRDS	1996	2	0	1	1	0	1	1	0	1	0.50	0	0.50
	FRUIT	1991	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	1	0	1	1	0	2	2	0	1.00	1.00	0
	GREENS	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1996	2	0	1	1	0	1	7	0	7	3.50	0	3.50
	INSECTS	1991	2	2	0	22	22	0	119	119	0	59.50	59.50	0
		1992	2	2	2	23	20	4	72	68	4	34.00	32.00	2.00
		1993	2	2	2	19	19	2	66	64	2	31.50	30.50	1.00
		1994	2	2	1	21	20	1	69	68	1	33.50	33.00	0.50
		1995	2	2	0	22	22	0	57	57	0	27.50	27.50	0
		1996	2	2	0	22	22	0	58	58	0	28.00	28.00	0
		1997	2	2	0	25	25	0	67	67	0	33.00	33.00	0
	SEEDS	1992	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	2	2	0	2	2	0	1.00	1.00	0
	SMALL MAMMALS	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
OAK-HICKORY	AQUATIC INVERTS	1991	14	3	1	2	2	1	33	31	2	2.36	2.21	0.14
		1992	14	4	1	3	3	1	7	6	1	0.43	0.36	0.07
		1993	14	3	0	2	2	0	4	4	0	0.29	0.29	0
		1994	14	2	0	3	3	0	3	3	0	0.21	0.21	0
		1995	14	3	0	2	2	0	4	4	0	0.29	0.29	0
		1996	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1997	14	2	0	1	1	0	4	4	0	0.29	0.29	0
	BIRDS	1996	14	2	0	2	2	0	2	2	0	0.14	0.14	0
	FISH	1992	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1993	14	1	0	1	1	0	1	1	0	0.07	0.07	0
	FRUIT	1991	14	8	0	1	1	0	11	11	0	0.79	0.79	0
		1992	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1993	14	4	0	1	1	0	5	5	0	0.36	0.36	0
		1994	14	9	3	1	1	1	20	16	4	1.36	1.14	0.21
		1995	14	4	1	1	1	1	29	4	25	2.07	0.29	1.79
		1996	14	2	0	1	1	0	2	2	0	0.14	0.14	0
		1997	14	5	0	1	1	0	6	6	0	0.43	0.43	0
	GREENS	1991	14	1	1	1	1	1	3	2	1	0.21	0.14	0.07
		1992	14	1	4	2	1	1	10	1	9	0.71	0.07	0.64
		1993	14	0	2	1	0	1	8	0	8	0.57	0	0.57
		1994	14	1	1	1	1	1	5	5	0	0.36	0.36	0
		1995	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1996	14	1	1	2	1	1	5	1	4	0.36	0.07	0.29
		1997	14	1	1	1	1	1	7	4	3	0.50	0.29	0.21

Guild Summaries by Vegetation Groupings

Vegetation Type	Food Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	INSECTS	1991	14	14	9	47	45	15	620	602	18	44.29	43.00	1.29
		1992	14	14	9	44	39	27	521	479	42	36.14	33.21	2.93
		1993	14	14	10	42	40	19	360	331	29	24.71	22.64	2.07
		1994	14	14	11	44	40	28	406	351	55	28.64	24.71	3.93
		1995	14	14	4	52	48	6	389	382	7	26.71	26.21	0.50
		1996	14	14	2	42	41	2	350	348	2	23.93	23.79	0.14
		1997	14	14	1	49	49	1	370	366	4	26.00	25.71	0.29
	SEEDS	1991	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1992	14	5	2	2	2	1	7	5	2	0.50	0.36	0.14
		1993	14	2	1	2	1	1	4	3	1	0.29	0.21	0.07
		1994	14	3	0	3	3	0	4	4	0	0.21	0.21	0
		1995	14	6	1	3	3	1	17	7	10	1.21	0.50	0.71
		1996	14	4	1	3	3	1	9	8	1	0.57	0.50	0.07
		1997	14	7	1	3	3	1	25	23	2	1.79	1.64	0.14
	SMALL MAMMALS	1991	14	2	2	2	2	1	5	3	2	0.36	0.21	0.14
		1992	14	3	1	2	2	1	10	9	1	0.71	0.64	0.07
		1993	14	4	3	2	2	2	8	5	3	0.57	0.36	0.21
		1994	14	2	3	2	1	2	8	4	4	0.50	0.21	0.29
		1995	14	2	1	2	1	1	4	3	1	0.21	0.14	0.07
		1996	14	9	2	3	3	1	14	12	2	0.93	0.79	0.14
		1997	14	3	1	2	2	1	4	3	1	0.29	0.21	0.07
OAK-PINE	FRUIT	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	GREENS	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	INSECTS	1991	1	1	0	13	13	0	29	29	0	29.00	29.00	0
		1992	1	1	1	19	17	2	32	30	2	31.00	29.00	2.00
		1993	1	1	0	8	8	0	16	16	0	16.00	16.00	0
		1994	1	1	1	14	12	2	23	21	2	22.00	20.00	2.00
		1995	1	1	0	14	14	0	29	29	0	24.00	24.00	0
		1996	1	1	0	12	12	0	25	25	0	24.00	24.00	0
		1997	1	1	0	13	13	0	27	27	0	27.00	27.00	0
	SEEDS	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	1	2	2	1	3	2	1	3.00	2.00	1.00
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
OAK-TULIP TREE	AQUATIC INVERTS	1991	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
		1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1993	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1994	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
		1995	2	1	0	1	1	0	2	2	0	1.00	1.00	0
	BIRDS	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	FRUIT	1991	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1993	2	1	0	1	1	0	4	4	0	2.00	2.00	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	2	0	1	1	0	2	2	0	1.00	1.00	0

Vegetation Type	Food Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	INSECTS	1991	2	2	1	21	21	1	112	111	1	56.00	55.50	0.50
		1992	2	2	1	22	22	1	66	65	1	32.50	32.00	0.50
		1993	2	2	1	25	24	1	64	63	1	31.50	31.00	0.50
		1994	2	2	1	24	22	9	72	63	9	35.50	31.00	4.50
		1995	2	2	0	27	27	0	62	62	0	31.00	31.00	0
		1996	2	2	1	20	19	1	44	43	1	22.00	21.50	0.50
		1997	2	2	0	26	26	0	65	65	0	31.50	31.50	0
	SEEDS	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	2	2	0	2	2	0	1.00	1.00	0
		1996	2	1	0	2	2	0	2	2	0	1.00	1.00	0
		1997	2	1	0	2	2	0	2	2	0	1.00	1.00	0
	SMALL MAMMALS	1997	2	2	0	1	1	0	2	2	0	1.00	1.00	0
RICH ROCKY WOODLANDS	FRUIT	1991	2	2	0	1	1	0	10	10	0	5.00	5.00	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	3	3	0	1.50	1.50	0
	GREENS	1994	2	0	1	1	0	1	10	0	10	5.00	0	5.00
	INSECTS	1991	2	2	1	23	22	1	73	72	1	36.50	36.00	0.50
		1992	2	2	1	29	28	1	77	76	1	38.00	37.50	0.50
		1993	2	2	1	10	10	1	30	29	1	14.50	14.00	0.50
		1994	2	2	2	20	19	4	52	47	5	25.50	23.50	2.00
		1995	2	2	0	23	23	0	60	60	0	28.00	28.00	0
		1996	2	2	0	16	16	0	41	41	0	20.00	20.00	0
		1997	2	2	0	21	21	0	38	38	0	19.00	19.00	0
	SEEDS	1991	2	1	1	1	1	1	4	3	1	2.00	1.50	0.50
		1992	2	1	0	2	2	0	2	2	0	1.00	1.00	0
		1993	2	2	0	2	2	0	6	6	0	2.50	2.50	0
		1995	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SMALL MAMMALS	1995	2	1	1	2	1	1	2	1	1	1.00	0.50	0.50
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
ROCKY SUMMIT GRASSLAND	FRUIT	1991	1	1	0	1	1	0	7	7	0	7.00	7.00	0
		1993	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	INSECTS	1991	1	1	0	15	15	0	35	35	0	35.00	35.00	0
		1992	1	1	0	18	18	0	31	31	0	31.00	31.00	0
		1993	1	1	1	18	16	4	37	33	4	34.00	30.00	4.00
		1994	1	1	1	17	15	3	33	30	3	33.00	30.00	3.00
		1995	1	1	0	14	14	0	27	27	0	24.00	24.00	0
		1996	1	1	0	13	13	0	25	25	0	25.00	25.00	0
		1997	1	1	0	15	15	0	33	33	0	33.00	33.00	0
	SEEDS	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1994	1	1	0	2	2	0	5	5	0	5.00	5.00	0
	SMALL MAMMALS	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00

Guild Summaries by Vegetation Groupings

Vegetation Type	Food Type	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
SUCCESSIONAL HARDWOODS	FRUIT	1992	1	0	1	1	0	1	3	0	3	3.00	0	3.00
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	GREENS	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1993	1	0	1	1	0	1	3	0	3	3.00	0	3.00
		1994	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	INSECTS	1991	1	1	1	16	14	4	56	52	4	56.00	52.00	4.00
		1992	1	1	1	20	18	4	54	49	5	52.00	48.00	4.00
		1993	1	1	1	17	15	2	29	27	2	29.00	27.00	2.00
		1994	1	1	1	18	16	3	33	30	3	32.00	29.00	3.00
		1995	1	1	0	19	19	0	36	36	0	34.00	34.00	0
		1996	1	1	0	21	21	0	35	35	0	34.00	34.00	0
		1997	1	1	0	25	25	0	44	44	0	43.00	43.00	0
	SEEDS	1991	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1992	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0

Table H7. Total number of birds within each vegetation type by food type.

Vegetation Type	Aquatic Inverts	Birds	Fish	Fruit	Greens	Insects	Seeds	Small Mammals	Totals
Burn Barren	0	0	0	6	4	471	12	1	494
Burn Barren/ Oak-Hickory	0	0	0	35	1	170	19	5	230
Chestnut Oak	15	0	0	35	3	1,200	11	6	1,270
Hemlock-Northern Hrd	8	0	0	4	2	173	10	0	197
Maple Beech Mesic	2	0	0	4	0	501	3	2	512
Oak-Hickory	53	2	2	45	14	2,859	51	39	3,065
Oak-Pine	0	0	0	6	2	177	6	0	191
Oak Tulip Tree	7	1	0	12	0	472	7	2	501
Rich Rocky Woodlands	0	0	0	16	0	363	14	2	395
Rocky Summit Grassland	0	0	0	13	0	214	7	2	236
Successional Hardwoods	0	0	0	6	6	273	13	0	298
Totals	85	3	2	182	718	6,201	143	55	7,389

Table H8. Vegetation types for West Point by feeding substrate.

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	AIR	1991	2	2	0	3	3	0	13	13	0	6.50	6.50	0
		1992	2	2	1	5	5	1	21	20	1	10.50	10.00	0.50
		1993	2	2	0	4	4	0	10	10	0	5.00	5.00	0
		1994	2	2	0	4	4	0	14	14	0	7.00	7.00	0
		1995	2	2	0	5	5	0	14	14	0	6.50	6.50	0
		1996	2	2	0	5	5	0	9	9	0	4.50	4.50	0
		1997	2	2	0	4	4	0	16	16	0	8.00	8.00	0
	BARK	1991	2	2	1	4	3	1	14	13	1	7.00	6.50	0.50
		1992	2	2	0	4	4	0	10	10	0	5.00	5.00	0
		1993	2	2	0	6	6	0	11	11	0	5.50	5.50	0
		1994	2	2	0	3	3	0	9	9	0	4.00	4.00	0
		1995	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1996	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1997	2	2	0	3	3	0	6	6	0	3.00	3.00	0
	FOLIAGE	1991	2	2	0	6	6	0	19	19	0	9.50	9.50	0
		1992	2	2	0	9	9	0	23	23	0	11.50	11.50	0
		1993	2	2	0	6	6	0	13	13	0	6.00	6.00	0
		1994	2	2	0	7	7	0	15	15	0	7.00	7.00	0
		1995	2	2	0	8	8	0	20	20	0	9.50	9.50	0
		1996	2	2	0	5	5	0	17	17	0	8.50	8.50	0
		1997	2	2	0	8	8	0	13	13	0	6.50	6.50	0
	GROUND	1991	2	2	0	9	9	0	50	50	0	25.00	25.00	0
		1992	2	2	1	10	10	1	31	30	1	15.00	14.50	0.50
		1993	2	2	0	10	10	0	34	34	0	17.00	17.00	0
		1994	2	2	1	12	11	1	24	23	1	11.50	11.00	0.50
		1995	2	2	0	13	13	0	30	30	0	15.00	15.00	0
		1996	2	2	0	6	6	0	21	21	0	10.00	10.00	0
		1997	2	2	0	11	11	0	29	29	0	13.50	13.50	0
BURN BARREN/ OAK-HICKORY	AIR	1991	1	1	0	3	3	0	8	8	0	8.00	8.00	0
		1992	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1993	1	1	1	3	2	1	6	5	1	6.00	5.00	1.00
		1994	1	1	1	4	4	1	10	9	1	9.00	8.00	1.00
		1995	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1996	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1997	1	1	0	3	3	0	4	4	0	4.00	4.00	0
	BARK	1991	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1992	1	1	1	3	3	1	6	5	1	6.00	5.00	1.00
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	3	3	0	6	6	0	5.00	5.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	FOLIAGE	1991	1	1	1	4	3	1	35	34	1	35.00	34.00	1.00
		1992	1	1	1	7	7	1	12	11	1	12.00	11.00	1.00
		1993	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1994	1	1	1	2	1	2	4	1	3	4.00	1.00	3.00
		1995	1	1	0	4	4	0	4	4	0	4.00	4.00	0
		1996	1	1	1	4	3	1	4	3	1	4.00	3.00	1.00
		1997	1	1	0	3	3	0	5	5	0	5.00	5.00	0

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	GROUND	1991	1	1	1	9	8	1	34	33	1	34.00	33.00	1.00
		1992	1	1	1	8	5	4	20	15	5	20.00	15.00	5.00
		1993	1	1	1	8	7	1	10	9	1	10.00	9.00	1.00
		1994	1	1	1	8	5	3	9	6	3	9.00	6.00	3.00
		1995	1	1	1	7	7	1	12	11	1	10.00	9.00	1.00
		1996	1	1	1	14	13	1	22	19	3	22.00	19.00	3.00
		1997	1	1	1	8	7	1	21	10	11	21.00	10.00	11.00
	WATER	1991	1	0	1	2	0	2	3	0	3	3.00	0	3.00
CHESTNUT OAK	AIR	1991	7	7	2	6	6	1	67	65	2	9.57	9.29	0.29
		1992	7	7	2	7	7	2	69	67	2	9.71	9.43	0.29
		1993	7	7	1	6	6	1	38	37	1	5.29	5.14	0.14
		1994	7	7	1	6	5	1	50	49	1	7.14	7.00	0.14
		1995	7	7	1	8	7	1	38	37	1	5.43	5.29	0.14
		1996	7	7	0	6	6	0	48	48	0	6.71	6.71	0
		1997	7	7	0	5	5	0	54	54	0	7.29	7.29	0
	BARK	1991	7	5	2	4	4	2	17	15	2	2.43	2.14	0.29
		1992	7	7	2	5	5	2	24	22	2	3.43	3.14	0.29
		1993	7	5	0	5	5	0	10	10	0	1.43	1.43	0
		1994	7	7	1	5	5	1	16	15	1	2.29	2.14	0.14
		1995	7	7	0	5	5	0	19	19	0	2.71	2.71	0
		1996	7	6	0	5	5	0	14	14	0	2.00	2.00	0
		1997	7	6	0	5	5	0	16	16	0	2.29	2.29	0
	FOLIAGE	1991	7	7	2	12	9	5	42	35	7	6.00	5.00	1.00
		1992	7	7	2	12	10	6	51	43	8	7.14	6.00	1.14
		1993	7	6	3	9	7	3	35	32	3	5.00	4.57	0.43
		1994	7	7	1	12	9	5	40	33	7	5.71	4.71	1.00
		1995	7	4	0	8	8	0	25	25	0	3.57	3.57	0
		1996	7	6	1	12	11	1	31	30	1	4.43	4.29	0.14
		1997	7	7	0	10	10	0	23	23	0	3.14	3.14	0
	GROUND	1991	7	7	2	15	13	2	131	129	2	18.71	18.43	0.29
		1992	7	7	1	17	16	2	112	110	2	15.71	15.43	0.29
		1993	7	7	5	14	11	5	71	65	6	9.71	8.86	0.86
		1994	7	7	3	17	14	4	70	61	9	9.86	8.57	1.29
		1995	7	7	1	17	16	1	68	67	1	9.71	9.57	0.14
		1996	7	7	0	18	18	0	72	72	0	10.00	10.00	0
		1997	7	7	1	21	21	1	77	76	1	10.86	10.71	0.14
	WATER	1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	0	1	1	0	1	2	0	2	0.29	0	0.29
HEMLOCK-NORTHERN HARDWOOD	AIR	1991	1	1	0	5	5	0	11	11	0	11.00	11.00	0
		1992	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1993	1	1	0	5	5	0	7	7	0	7.00	7.00	0
		1994	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1995	1	1	0	5	5	0	5	5	0	5.00	5.00	0
		1996	1	1	0	3	3	0	5	5	0	4.00	4.00	0
		1997	1	1	0	2	2	0	4	4	0	4.00	4.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	BARK	1991	1	1	0	3	3	0	9	9	0	9.00	9.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1996	1	1	0	1	1	0	4	4	0	3.00	3.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	FOLIAGE	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1992	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1993	1	1	0	2	2	0	4	4	0	3.00	3.00	0
		1994	1	1	0	4	4	0	15	15	0	14.00	14.00	0
		1995	1	1	0	5	5	0	11	11	0	9.00	9.00	0
		1996	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1997	1	1	0	4	3	0	3	3	0	3.00	3.00	0
	GROUND	1991	1	1	0	8	8	0	16	16	0	16.00	16.00	0
		1992	1	1	0	7	7	0	11	11	0	11.00	11.00	0
		1993	1	1	0	6	6	0	9	9	0	8.00	8.00	0
		1994	1	1	1	6	5	1	8	7	1	8.00	7.00	1.00
		1995	1	1	0	7	7	0	15	15	0	14.00	14.00	0
		1996	1	1	0	6	6	0	9	9	0	9.00	9.00	0
		1997	1	1	0	9	9	0	16	16	0	15.00	15.00	0
	WATER	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	0	1	1	0	1	1	0	1	1.00	0	1.00
MAPLE BEECH	AIR	1991	2	2	0	6	6	0	34	34	0	17.00	17.00	0
MESIC		1992	2	2	0	5	5	0	15	15	0	6.50	6.50	0
		1993	2	2	1	6	6	1	14	13	1	7.00	6.50	0.50
		1994	2	2	0	4	4	0	12	12	0	6.00	6.00	0
		1995	2	2	0	5	5	0	15	15	0	7.00	7.00	0
		1996	2	2	1	6	5	1	16	15	1	8.00	7.50	0.50
		1997	2	2	0	6	6	0	25	25	0	12.00	12.00	0
	BARK	1991	2	2	0	5	5	0	20	20	0	10.00	10.00	0
		1992	2	1	1	2	2	1	5	4	1	2.00	1.50	0.50
		1993	2	2	0	2	2	0	6	6	0	2.50	2.50	0
		1994	2	2	1	4	3	1	7	6	1	3.50	3.00	0.50
		1995	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1996	2	2	0	5	5	0	7	7	0	3.50	3.50	0
		1997	2	2	0	6	6	0	8	8	0	4.00	4.00	0
	FOLIAGE	1991	2	2	0	5	5	0	23	23	0	11.50	11.50	0
		1992	2	2	1	9	6	3	16	13	3	8.00	6.50	1.50
		1993	2	2	1	4	4	1	17	16	1	7.50	7.00	0.50
		1994	2	2	0	6	6	0	12	12	0	6.00	6.00	0
		1995	2	2	0	4	4	0	13	13	0	6.50	6.50	0
		1996	2	2	1	5	4	1	23	16	7	11.00	7.50	3.50
		1997	2	2	0	3	3	0	8	8	0	4.00	4.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	GROUND	1991	2	2	1	8	7	1	45	44	1	22.50	22.00	0.50
		1992	2	2	1	10	9	1	40	39	1	19.50	19.00	0.50
		1993	2	2	0	8	8	0	30	30	0	15.00	15.00	0
		1994	2	2	0	7	7	0	38	38	0	18.00	18.00	0
		1995	2	2	0	12	12	0	26	26	0	12.50	12.50	0
		1996	2	2	0	9	9	0	22	22	0	10.50	10.50	0
		1997	2	2	1	11	11	1	28	27	1	14.00	13.50	0.50
	WATER	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
OAK-HICKORY	AIR	1991	14	14	2	7	7	2	173	171	2	12.36	12.21	0.14
		1992	14	14	5	8	6	7	126	118	8	8.64	8.07	0.57
		1993	14	14	4	7	7	3	97	92	5	6.50	6.14	0.36
		1994	14	14	5	7	7	4	123	111	12	8.57	7.71	0.86
		1995	14	14	2	10	9	2	114	112	2	7.79	7.64	0.14
		1996	14	14	0	9	9	0	99	99	0	6.64	6.64	0
		1997	14	14	0	9	9	0	118	118	0	8.29	8.29	0
	BARK	1991	14	13	2	7	7	2	69	67	2	4.93	4.79	0.14
		1992	14	13	4	6	6	5	51	44	7	3.57	3.07	0.50
		1993	14	12	2	5	5	3	40	37	3	2.57	2.36	0.21
		1994	14	14	4	6	6	3	46	42	4	3.21	2.93	0.29
		1995	14	11	0	6	6	0	26	26	0	1.86	1.86	0
		1996	14	14	0	6	6	0	28	28	0	2.00	2.00	0
		1997	14	13	0	6	6	0	32	32	0	2.14	2.14	0
	FOLIAGE	1991	14	13	5	17	15	7	117	110	7	8.36	7.86	0.50
		1992	14	14	5	18	17	8	112	98	14	7.86	6.93	0.93
		1993	14	14	6	13	10	6	55	46	9	3.86	3.21	0.64
		1994	14	14	10	17	14	14	98	71	27	6.86	5.00	1.86
		1995	14	14	4	23	20	6	115	75	40	8.00	5.14	2.86
		1996	14	14	2	16	15	2	63	61	2	4.50	4.36	0.14
		1997	14	14	1	19	19	1	71	69	2	5.00	4.86	0.14
	GROUND	1991	14	14	6	21	21	6	283	272	11	20.21	19.43	0.79
		1992	14	14	5	20	18	9	255	239	16	17.71	16.57	1.14
		1993	14	14	9	23	23	10	188	172	16	13.21	12.07	1.14
		1994	14	14	8	21	19	10	172	152	20	12.14	10.71	1.43
		1995	14	14	1	21	20	1	188	187	1	12.86	12.79	0.07
		1996	14	14	3	21	21	2	188	185	3	12.64	12.43	0.21
		1997	14	14	2	22	22	2	188	183	5	13.36	13.00	0.36
	WATER	1991	14	1	1	2	2	1	31	30	1	2.21	2.14	0.07
		1992	14	1	4	3	2	2	13	3	10	0.86	0.14	0.71
		1993	14	1	2	3	2	1	10	2	8	0.71	0.14	0.57
		1994	14	2	1	3	3	1	7	7	0	0.50	0.50	0
		1995	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1996	14	1	1	2	1	1	5	1	4	0.36	0.07	0.29
		1997	14	1	1	1	1	1	7	4	3	0.50	0.29	0.21
OAK-PINE	AIR	1991	1	1	0	4	4	0	10	10	0	10.00	10.00	0
		1992	1	1	1	5	4	1	9	8	1	9.00	8.00	1.00
		1993	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1994	1	1	1	4	3	1	8	7	1	7.00	6.00	1.00
		1995	1	1	0	4	4	0	9	9	0	8.00	8.00	0
		1996	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1997	1	1	0	3	3	0	9	9	0	9.00	9.00	0

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	BARK	1991	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1995	1	1	0	2	2	0	3	3	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	3	3	0	6	6	0	6.00	6.00	0
	FOLIAGE	1991	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1992	1	1	1	5	4	1	9	8	1	9.00	8.00	1.00
		1993	1	1	1	3	2	1	6	4	2	6.00	4.00	2.00
		1994	1	1	1	5	4	1	6	5	1	6.00	5.00	1.00
		1995	1	1	0	3	3	0	9	9	0	6.00	6.00	0
		1996	1	1	0	2	2	0	3	3	0	2.00	2.00	0
		1997	1	1	0	3	3	0	3	3	0	3.00	3.00	0
	GROUND	1991	1	1	0	6	6	0	10	10	0	10.00	10.00	0
		1992	1	1	0	9	9	0	16	16	0	15.00	15.00	0
		1993	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1994	1	1	1	8	8	1	13	12	1	13.00	12.00	1.00
		1995	1	1	0	5	5	0	8	8	0	8.00	8.00	0
		1996	1	1	0	6	6	0	15	15	0	15.00	15.00	0
		1997	1	1	0	6	6	0	12	12	0	12.00	12.00	0
OAK-TULIP TREE	AIR	1991	2	2	0	5	5	0	42	42	0	21.00	21.00	0
		1992	2	2	1	5	5	1	18	17	1	9.00	8.50	0.50
		1993	2	2	1	6	5	1	19	18	1	9.50	9.00	0.50
		1994	2	2	1	4	4	1	19	18	1	9.50	9.00	0.50
		1995	2	2	0	5	5	0	13	13	0	6.50	6.50	0
		1996	2	2	0	6	6	0	18	18	0	9.00	9.00	0
		1997	2	2	0	5	5	0	22	22	0	11.00	11.00	0
	BARK	1991	2	2	1	5	5	1	10	9	1	5.00	4.50	0.50
		1992	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1993	2	2	1	6	5	1	9	8	1	4.50	4.00	0.50
		1994	2	2	1	4	3	1	5	4	1	2.50	2.00	0.50
		1995	2	2	0	6	6	0	13	13	0	6.50	6.50	0
		1996	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1997	2	1	0	3	3	0	3	3	0	1.50	1.50	0
	FOLIAGE	1991	2	2	0	3	3	0	13	13	0	6.50	6.50	0
		1992	2	2	0	6	6	0	14	14	0	7.00	7.00	0
		1993	2	2	0	8	8	0	20	20	0	9.50	9.50	0
		1994	2	2	1	7	6	4	19	15	4	9.50	7.50	2.00
		1995	2	2	0	7	7	0	10	10	0	5.00	5.00	0
		1996	2	2	1	7	6	1	12	11	1	6.00	5.50	0.50
		1997	2	2	0	11	11	0	16	16	0	8.00	8.00	0
	GROUND	1991	2	2	1	10	10	1	52	51	1	26.00	25.50	0.50
		1992	2	2	0	9	9	0	30	30	0	14.50	14.50	0
		1993	2	2	0	9	9	0	24	24	0	12.00	12.00	0
		1994	2	2	1	13	13	4	34	30	4	16.50	14.50	2.00
		1995	2	2	0	11	11	0	30	30	0	15.00	15.00	0
		1996	2	2	0	8	8	0	15	15	0	7.50	7.50	0
		1997	2	2	0	11	11	0	30	30	0	14.00	14.00	0

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
RICH ROCKY WOODLANDS	AIR	1991	2	2	1	6	5	1	16	15	1	8.00	7.50	0.50
		1992	2	2	0	6	6	0	16	16	0	8.00	8.00	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	2	1	4	4	2	8	5	3	3.50	2.50	1.00
		1995	2	2	0	5	5	0	10	10	0	5.00	5.00	0
		1996	2	2	0	4	4	0	11	11	0	5.50	5.50	0
		1997	2	2	0	6	6	0	12	12	0	6.00	6.00	0
	BARK	1991	2	1	0	2	2	0	6	6	0	3.00	3.00	0
		1992	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1994	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
		1995	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1996	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1997	2	2	0	2	2	0	4	4	0	2.00	2.00	0
	FOLIAGE	1991	2	2	0	6	6	0	21	21	0	10.50	10.50	0
		1992	2	2	0	9	9	0	22	22	0	10.50	10.50	0
		1993	2	2	1	3	3	1	11	10	1	5.00	4.50	0.50
		1994	2	2	1	6	5	1	12	11	1	6.00	5.50	0.50
		1995	2	2	0	10	10	0	18	18	0	9.00	9.00	0
		1996	2	2	0	5	5	0	8	8	0	4.00	4.00	0
		1997	2	2	0	6	6	0	11	11	0	5.50	5.50	0
	GROUND	1991	2	2	1	11	11	1	44	43	1	22.00	21.50	0.50
		1992	2	2	1	13	12	1	32	31	1	16.00	15.50	0.50
		1993	2	2	0	8	8	0	24	24	0	11.50	11.50	0
		1994	2	2	0	10	10	0	31	31	0	15.50	15.50	0
		1995	2	2	1	11	10	1	33	32	1	14.50	14.00	0.50
		1996	2	2	0	8	8	0	19	19	0	9.00	9.00	0
		1997	2	2	0	8	8	0	14	14	0	7.00	7.00	0
	WATER	1994	2	0	1	1	0	1	10	0	10	5.00	0	5.00
ROCKY SUMMIT GRASSLAND	AIR	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1992	1	1	0	4	4	0	8	8	0	8.00	8.00	0
		1993	1	1	1	5	5	1	9	8	1	9.00	8.00	1.00
		1994	1	1	1	5	4	1	9	8	1	9.00	8.00	1.00
		1995	1	1	0	5	5	0	6	6	0	5.00	5.00	0
		1996	1	1	0	4	4	0	6	6	0	6.00	6.00	0
		1997	1	1	0	4	4	0	5	5	0	5.00	5.00	0
	BARK	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	1	3	2	1	3	2	1	3.00	2.00	1.00
		1995	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	FOLIAGE	1991	1	1	0	5	5	0	14	14	0	14.00	14.00	0
		1992	1	1	1	7	6	1	9	8	1	9.00	8.00	1.00
		1993	1	1	1	5	4	1	15	14	1	14.00	13.00	1.00
		1994	1	1	1	5	4	2	9	7	2	9.00	7.00	2.00
		1995	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1996	1	1	0	2	2	0	6	6	0	6.00	6.00	0
		1997	1	1	0	4	4	0	10	10	0	10.00	10.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Substrate	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	GROUND	1991	1	1	1	10	9	1	27	26	1	27.00	26.00	1.00
		1992	1	1	0	8	8	0	15	15	0	15.00	15.00	0
		1993	1	1	1	7	6	2	15	13	2	13.00	11.00	2.00
		1994	1	1	0	9	9	0	20	20	0	20.00	20.00	0
		1995	1	1	0	7	7	0	16	16	0	14.00	14.00	0
		1996	1	1	0	6	6	0	12	12	0	12.00	12.00	0
		1997	1	1	1	8	8	1	18	17	1	18.00	17.00	1.00
SUCCESSIONAL	AIR	1991	1	1	1	2	1	1	4	3	1	4.00	3.00	1.00
HARDWOODS		1992	1	1	1	3	2	1	13	11	2	11.00	10.00	1.00
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	4	4	0	6	6	0	5.00	5.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	4	4	0	6	6	0	6.00	6.00	0
	BARK	1991	1	1	1	2	1	2	3	1	2	3.00	1.00	2.00
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1995	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1996	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1997	1	1	0	2	2	0	3	3	0	3.00	3.00	0
	FOLIAGE	1991	1	1	1	5	4	1	13	12	1	13.00	12.00	1.00
		1992	1	1	1	7	6	1	14	11	3	14.00	11.00	3.00
		1993	1	1	1	8	7	1	12	11	1	12.00	11.00	1.00
		1994	1	1	0	7	7	0	11	11	0	11.00	11.00	0
		1995	1	1	0	7	7	0	11	11	0	11.00	11.00	0
		1996	1	1	0	6	6	0	7	7	0	7.00	7.00	0
		1997	1	1	0	11	11	0	16	16	0	15.00	15.00	0
	GROUND	1991	1	1	1	10	10	1	41	40	1	41.00	40.00	1.00
		1992	1	1	1	11	10	3	32	29	3	32.00	29.00	3.00
		1993	1	1	1	8	6	2	16	14	2	16.00	14.00	2.00
		1994	1	1	1	10	9	2	22	20	2	21.00	19.00	2.00
		1995	1	1	0	9	9	0	19	19	0	18.00	18.00	0
		1996	1	1	0	12	12	0	25	25	0	24.00	24.00	0
		1997	1	1	0	10	10	0	22	22	0	22.00	22.00	0
	WATER	1992	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1993	1	0	1	1	0	1	3	0	3	3.00	0	3.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0

Table H9. Total number of birds within each vegetation type by feeding substrate.

Vegetation Type	Air	Bark	Foliage	Ground	Water	Totals
Burn Barren	96	61	120	217	0	494
Burn Barren/ Oak-Hickory	39	25	63	103	0	230
Chestnut Oak	357	111	221	580	1	1,270
Hemlock-Northern Hrd	42	27	44	83	1	197
Maple Beech Mesic	129	56	101	226	0	512
Oak-Hickory	821	276	530	1,390	48	3,065
Oak-Pine	53	17	39	82	0	191
Oak Tulip Tree	148	44	99	210	0	501
Rich Rocky Woodlands	70	30	101	194	0	395
Rocky Summit Grassland	43	11	65	119	0	236
Successional Hardwoods	31	15	79	169	4	298
Totals	1,829	673	1,460	3,373	54	7,389

Table H10. Vegetation types for West Point by foraging technique.

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	BARK GLEANER	1991	2	2	1	4	3	1	14	13	1	7.00	6.50	0.50
		1992	2	2	0	4	4	0	10	10	0	5.00	5.00	0
		1993	2	2	0	6	6	0	11	11	0	5.50	5.50	0
		1994	2	2	0	3	3	0	9	9	0	4.00	4.00	0
		1995	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1996	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1997	2	2	0	3	3	0	6	6	0	3.00	3.00	0
	FOLIAGE BROWSER	1991	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	FOLIAGE GLEANER	1991	2	2	0	5	5	0	18	18	0	9.00	9.00	0
		1992	2	2	0	8	8	0	21	21	0	10.50	10.50	0
		1993	2	2	0	6	6	0	13	13	0	6.00	6.00	0
		1994	2	2	0	6	6	0	13	13	0	6.00	6.00	0
		1995	2	2	0	8	8	0	20	20	0	9.50	9.50	0
		1996	2	2	0	5	5	0	17	17	0	8.50	8.50	0
		1997	2	2	0	7	7	0	12	12	0	6.00	6.00	0
	GROUND GLEANER	1991	2	2	0	9	9	0	50	50	0	25.00	25.00	0
		1992	2	2	1	10	10	1	31	30	1	15.00	14.50	0.50
		1993	2	2	0	9	9	0	33	33	0	16.50	16.50	0
		1994	2	2	1	12	11	1	24	23	1	11.50	11.00	0.50
		1995	2	2	0	13	13	0	30	30	0	15.00	15.00	0
		1996	2	2	0	6	6	0	21	21	0	10.00	10.00	0
		1997	2	2	0	11	11	0	29	29	0	13.50	13.50	0
	HAWKER	1991	2	2	0	2	2	0	9	9	0	4.50	4.50	0
		1992	2	2	1	2	2	1	12	11	1	6.00	5.50	0.50
		1993	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1994	2	2	0	3	3	0	10	10	0	5.00	5.00	0
		1995	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1996	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1997	2	2	0	2	2	0	8	8	0	4.00	4.00	0
	HOVER GLEANER	1991	2	1	0	1	1	0	4	4	0	2.00	2.00	0
		1992	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1993	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1994	2	2	0	1	1	0	4	4	0	2.00	2.00	0
		1995	2	2	0	2	2	0	8	8	0	3.50	3.50	0
		1996	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1997	2	2	0	2	2	0	8	8	0	4.00	4.00	0
	LOW PATROL	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SCAVENGER	1994	2	1	0	1	1	0	2	2	0	1.00	1.00	0
BURN BARREN/ OAK-HICKORY	BARK GLEANER	1991	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1992	1	1	1	3	3	1	6	5	1	6.00	5.00	1.00
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	3	3	0	6	6	0	5.00	5.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	DABBLER	1991	1	0	1	2	0	2	3	0	3	3.00	0	3.00

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	FOLIAGE BROWSER	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
	FOLIAGE GLEANER	1991	1	1	0	3	3	0	34	34	0	34.00	34.00	0
		1992	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1993	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1994	1	1	1	2	1	2	4	1	3	4.00	1.00	3.00
		1995	1	1	0	4	4	0	4	4	0	4.00	4.00	0
		1996	1	1	1	4	3	1	4	3	1	4.00	3.00	1.00
		1997	1	1	0	3	3	0	5	5	0	5.00	5.00	0
	GROUND GLEANER	1991	1	1	1	9	8	1	34	33	1	34.00	33.00	1.00
		1992	1	1	1	8	5	4	20	15	5	20.00	15.00	5.00
		1993	1	1	1	7	6	1	9	8	1	9.00	8.00	1.00
		1994	1	1	1	7	4	3	8	5	3	8.00	5.00	3.00
		1995	1	1	0	6	6	0	9	9	0	8.00	8.00	0
		1996	1	1	1	11	10	1	18	15	3	18.00	15.00	3.00
		1997	1	1	1	8	7	1	21	10	11	21.00	10.00	11.00
	HAWKER	1991	1	1	0	2	2	0	7	7	0	7.00	7.00	0
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	1	0	2	2	0	5	5	0	5.00	5.00	0
		1994	1	1	0	2	2	0	6	6	0	5.00	5.00	0
		1995	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	2	2	0	3	3	0	3.00	3.00	0
	HIGH PATROL	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	1	1	1	1	3	2	1	2.00	1.00	1.00
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	HOVER & POUNCE	1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	HOVER GLEANER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1994	1	1	1	2	2	1	4	3	1	4.00	3.00	1.00
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	LOW PATROL	1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SCAVENGER	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
CHESTNUT OAK	AERIAL FORAGING	1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	BARK GLEANER	1991	7	5	2	4	4	2	17	15	2	2.43	2.14	0.29
		1992	7	7	2	5	5	2	24	22	2	3.43	3.14	0.29
		1993	7	5	0	5	5	0	10	10	0	1.43	1.43	0
		1994	7	7	1	5	5	1	16	15	1	2.29	2.14	0.14
		1995	7	7	0	5	5	0	19	19	0	2.71	2.71	0
		1996	7	6	0	5	5	0	14	14	0	2.00	2.00	0
		1997	7	6	0	5	5	0	16	16	0	2.29	2.29	0
	DABBLER	1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	FOLIAGE BROWSER	1991	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	FOLIAGE GLEANER	1991	7	7	2	11	8	5	40	33	7	5.71	4.71	1.00
		1992	7	7	2	11	9	6	50	42	8	7.00	5.86	1.14
		1993	7	6	3	9	7	3	35	32	3	5.00	4.57	0.43
		1994	7	7	1	11	8	5	39	32	7	5.57	4.57	1.00
		1995	7	4	0	7	7	0	24	24	0	3.43	3.43	0
		1996	7	6	1	11	10	1	30	29	1	4.29	4.14	0.14
		1997	7	7	0	10	10	0	23	23	0	3.14	3.14	0
	GROUND GLEANER	1991	7	7	1	13	12	1	129	128	1	18.43	18.29	0.14
		1992	7	7	1	15	15	1	110	109	1	15.43	15.29	0.14
		1993	7	7	4	13	10	4	67	62	5	9.14	8.43	0.71
		1994	7	7	2	15	13	3	68	60	8	9.57	8.43	1.14
		1995	7	7	0	15	15	0	64	64	0	9.14	9.14	0
		1996	7	7	0	15	15	0	62	62	0	8.71	8.71	0
		1997	7	7	1	19	19	1	74	73	1	10.43	10.29	0.14
	HAWKER	1991	7	7	0	3	3	0	34	34	0	4.86	4.86	0
		1992	7	7	2	4	4	2	26	24	2	3.57	3.29	0.29
		1993	7	6	0	3	3	0	17	17	0	2.29	2.29	0
		1994	7	7	1	4	3	1	24	23	1	3.43	3.29	0.14
		1995	7	7	1	6	5	1	22	21	1	3.14	3.00	0.14
		1996	7	7	0	3	3	0	18	18	0	2.57	2.57	0
		1997	7	7	0	2	2	0	25	25	0	3.57	3.57	0
	HIGH PATROL	1992	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1994	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1996	7	2	0	1	1	0	3	3	0	0.29	0.29	0
	HOVER GLEANER	1991	7	5	2	3	3	1	33	31	2	4.71	4.43	0.29
		1992	7	7	0	3	3	0	43	43	0	6.14	6.14	0
		1993	7	6	1	3	3	1	21	20	1	3.00	2.86	0.14
		1994	7	7	0	2	2	0	26	26	0	3.71	3.71	0
		1995	7	6	0	2	2	0	16	16	0	2.29	2.29	0
		1996	7	7	0	3	3	0	30	30	0	4.14	4.14	0
		1997	7	6	0	2	2	0	28	28	0	3.57	3.57	0
	LOW PATROL	1991	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1995	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1996	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	SCAVENGER	1991	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1993	7	1	1	1	1	1	4	3	1	0.57	0.43	0.14
		1994	7	2	0	2	2	0	2	2	0	0.29	0.29	0
		1995	7	3	0	2	2	0	4	4	0	0.57	0.57	0
		1996	7	3	0	2	2	0	7	7	0	1.00	1.00	0
		1997	7	1	0	1	1	0	2	2	0	0.29	0.29	0
	SURFACE DIPS	1997	7	0	1	1	0	1	2	0	2	0.29	0	0.29
	SWOOPER	1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
HEMLOCK-NORTHERN HARDWOOD	AERIAL FORAGING	1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	BARK GLEANER	1991	1	1	0	3	3	0	9	9	0	9.00	9.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1996	1	1	0	1	1	0	4	4	0	3.00	3.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	DABBLER	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	FOLIAGE BROWSER	1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	FOLIAGE GLEANER	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1993	1	1	0	2	2	0	4	4	0	3.00	3.00	0
		1994	1	1	0	4	4	0	15	15	0	14.00	14.00	0
		1995	1	1	0	5	5	0	11	11	0	9.00	9.00	0
		1996	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1997	1	1	0	4	3	0	3	3	0	3.00	3.00	0
	GROUND GLEANER	1991	1	1	0	7	7	0	15	15	0	15.00	15.00	0
		1992	1	1	0	7	7	0	11	11	0	11.00	11.00	0
		1993	1	1	0	6	6	0	9	9	0	8.00	8.00	0
		1994	1	1	0	5	5	0	7	7	0	7.00	7.00	0
		1995	1	1	0	6	6	0	11	11	0	10.00	10.00	0
		1996	1	1	0	5	5	0	7	7	0	7.00	7.00	0
		1997	1	1	0	8	8	0	13	13	0	12.00	12.00	0
	HAWKER	1991	1	1	0	2	2	0	5	5	0	5.00	5.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	HOVER GLEANER	1991	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1992	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1993	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1994	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	2	2	0	4	4	0	3.00	3.00	0
		1997	1	1	0	2	2	0	4	4	0	4.00	4.00	0
	LOW PATROL	1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	SCAVENGER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
MAPLE BEECH	AERIAL FORAGING	1997	2	1	0	1	1	0	4	4	0	2.00	2.00	0
MESIC	AERIAL PURSUIT	1996	2	0	1	1	0	1	1	0	1	0.50	0	0.50
	BARK GLEANER	1991	2	2	0	5	5	0	20	20	0	10.00	10.00	0
		1992	2	1	1	2	2	1	5	4	1	2.00	1.50	0.50
		1993	2	2	0	2	2	0	6	6	0	2.50	2.50	0
		1994	2	2	1	4	3	1	7	6	1	3.50	3.00	0.50
		1995	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1996	2	2	0	5	5	0	7	7	0	3.50	3.50	0
		1997	2	2	0	6	6	0	8	8	0	4.00	4.00	0
	FOLIAGE BROWSER	1996	2	0	1	1	0	1	7	0	7	3.50	0	3.50
	FOLIAGE GLEANER	1991	2	2	0	5	5	0	23	23	0	11.50	11.50	0
		1992	2	2	1	9	6	3	16	13	3	8.00	6.50	1.50
		1993	2	2	1	4	4	1	17	16	1	7.50	7.00	0.50
		1994	2	2	0	5	5	0	11	11	0	5.50	5.50	0
		1995	2	2	0	4	4	0	13	13	0	6.50	6.50	0
		1996	2	2	0	4	4	0	16	16	0	7.50	7.50	0
		1997	2	2	0	3	3	0	8	8	0	4.00	4.00	0
	GROUND GLEANER	1991	2	2	1	8	7	1	45	44	1	22.50	22.00	0.50
		1992	2	2	1	9	8	1	39	38	1	19.00	18.50	0.50
		1993	2	2	0	8	8	0	30	30	0	15.00	15.00	0
		1994	2	2	0	7	7	0	38	38	0	18.00	18.00	0
		1995	2	2	0	12	12	0	26	26	0	12.50	12.50	0
		1996	2	2	0	9	9	0	22	22	0	10.50	10.50	0
		1997	2	2	0	10	10	0	26	26	0	13.00	13.00	0
	HAWKER	1991	2	2	0	3	3	0	15	15	0	7.50	7.50	0
		1992	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1993	2	1	1	3	3	1	5	4	1	2.50	2.00	0.50
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1996	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1997	2	2	0	2	2	0	7	7	0	3.00	3.00	0
	HIGH PATROL	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
	HOVER GLEANER	1991	2	2	0	3	3	0	19	19	0	9.50	9.50	0
		1992	2	2	0	3	3	0	12	12	0	5.00	5.00	0
		1993	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1994	2	2	0	3	3	0	11	11	0	5.50	5.50	0
		1995	2	2	0	2	2	0	9	9	0	4.00	4.00	0
		1996	2	2	0	2	2	0	9	9	0	4.50	4.50	0
		1997	2	2	0	3	3	0	14	14	0	7.00	7.00	0
	SCAVENGER	1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SURFACE DIPS	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
OAK-HICKORY	AERIAL FORAGING	1997	14	2	0	2	2	0	2	2	0	0.14	0.14	0
	AERIAL PURSUIT	1996	14	2	0	2	2	0	2	2	0	0.14	0.14	0
	AMBUSHER	1992	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1993	14	1	0	1	1	0	1	1	0	0.07	0.07	0

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	BARK GLEANER	1991	14	13	2	7	7	2	69	67	2	4.93	4.79	0.14
		1992	14	13	4	6	6	5	51	44	7	3.57	3.07	0.50
		1993	14	12	2	5	5	3	40	37	3	2.57	2.36	0.21
		1994	14	14	4	6	6	3	46	42	4	3.21	2.93	0.29
		1995	14	11	0	6	6	0	26	26	0	1.86	1.86	0
		1996	14	14	0	6	6	0	28	28	0	2.00	2.00	0
		1997	14	13	0	6	6	0	32	32	0	2.14	2.14	0
	DABBLER	1991	14	1	0	1	1	0	28	28	0	2.00	2.00	0
		1992	14	1	1	1	1	1	3	2	1	0.14	0.07	0.07
		1993	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1994	14	1	0	2	2	0	2	2	0	0.14	0.14	0
		1995	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1996	14	1	0	1	1	0	1	1	0	0.07	0.07	0
	FOLIAGE BROWSER	1992	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1995	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1996	14	1	0	1	1	0	1	1	0	0.07	0.07	0
	FOLIAGE GLEANER	1991	14	13	5	17	15	7	117	110	7	8.36	7.86	0.50
		1992	14	14	5	17	16	8	111	97	14	7.79	6.86	0.93
		1993	14	14	6	13	10	6	55	46	9	3.86	3.21	0.64
		1994	14	14	10	16	14	13	97	71	26	6.79	5.00	1.79
		1995	14	14	4	21	18	5	112	73	39	7.79	5.00	2.79
		1996	14	14	2	15	14	2	62	60	2	4.43	4.29	0.14
		1997	14	14	1	18	18	1	69	67	2	4.86	4.71	0.14
	GROUND GLEANER	1991	14	14	5	18	18	5	275	266	9	19.64	19.00	0.64
		1992	14	14	4	17	15	7	239	225	14	16.57	15.57	1.00
		1993	14	14	5	19	19	7	162	152	10	11.36	10.64	0.71
		1994	14	14	6	18	17	8	150	134	16	10.64	9.50	1.14
		1995	14	14	0	18	18	0	175	175	0	12.00	12.00	0
		1996	14	14	1	17	17	1	167	166	1	11.21	11.14	0.07
		1997	14	14	1	19	19	1	178	174	4	12.64	12.36	0.29
	HAWKER	1991	14	13	1	4	4	1	64	63	1	4.57	4.50	0.07
		1992	14	14	4	4	3	3	46	42	4	3.21	2.93	0.29
		1993	14	13	1	4	4	1	35	34	1	2.36	2.29	0.07
		1994	14	14	1	4	4	1	39	38	1	2.79	2.71	0.07
		1995	14	14	1	6	5	1	47	46	1	3.36	3.29	0.07
		1996	14	13	0	3	3	0	33	33	0	2.29	2.29	0
		1997	14	14	0	4	4	0	45	45	0	3.14	3.14	0
	HIGH PATROL	1991	14	1	2	1	1	1	4	2	2	0.29	0.14	0.14
		1992	14	1	1	1	1	1	2	1	1	0.14	0.07	0.07
		1993	14	2	1	1	1	1	3	2	1	0.21	0.14	0.07
		1994	14	0	1	1	0	1	1	0	1	0.07	0	0.07
		1995	14	0	1	1	0	1	1	0	1	0.07	0	0.07
		1996	14	6	2	1	1	1	8	6	2	0.57	0.43	0.14
		1997	14	2	0	1	1	0	2	2	0	0.14	0.14	0

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	HOVER GLEANER	1991	14	14	1	3	3	1	109	108	1	7.79	7.71	0.07
		1992	14	14	2	4	3	4	80	76	4	5.43	5.14	0.29
		1993	14	14	4	3	3	2	62	58	4	4.14	3.86	0.29
		1994	14	14	5	3	3	3	84	73	11	5.79	5.00	0.79
		1995	14	14	1	4	4	1	67	66	1	4.43	4.36	0.07
		1996	14	13	0	4	4	0	64	64	0	4.21	4.21	0
		1997	14	13	0	3	3	0	71	71	0	5.00	5.00	0
	LOW PATROL	1991	14	1	0	1	1	0	1	1	0	0.07	0.07	0
		1992	14	3	0	1	1	0	8	8	0	0.57	0.57	0
		1993	14	2	2	1	1	1	5	3	2	0.36	0.21	0.14
		1994	14	2	2	1	1	1	7	4	3	0.43	0.21	0.21
		1995	14	2	0	1	1	0	3	3	0	0.14	0.14	0
		1996	14	3	0	2	2	0	6	6	0	0.36	0.36	0
		1997	14	1	1	1	1	1	2	1	1	0.14	0.07	0.07
	SCAVENGER	1991	14	1	0	1	1	0	3	3	0	0.21	0.21	0
		1992	14	2	1	1	1	1	6	5	1	0.43	0.36	0.07
		1993	14	5	3	1	1	1	17	14	3	1.21	1.00	0.21
		1994	14	6	1	2	1	1	15	14	1	1.07	1.00	0.07
		1995	14	6	1	2	2	1	11	10	1	0.79	0.71	0.07
		1996	14	3	0	1	1	0	7	7	0	0.50	0.50	0
		1997	14	7	0	2	2	0	8	8	0	0.57	0.57	0
	SURFACE DIPS	1991	14	1	1	1	1	1	3	2	1	0.21	0.14	0.07
		1992	14	0	4	1	0	1	9	0	9	0.64	0	0.64
		1993	14	0	2	1	0	1	8	0	8	0.57	0	0.57
		1994	14	1	1	1	1	1	5	5	0	0.36	0.36	0
		1996	14	0	1	1	0	1	4	0	4	0.29	0	0.29
		1997	14	1	1	1	1	1	7	4	3	0.50	0.29	0.21
	SWOOPER	1993	14	1	0	1	1	0	1	1	0	0.07	0.07	0
OAK-PINE	AERIAL FORAGING	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	BARK GLEANER	1991	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1995	1	1	0	2	2	0	3	3	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	3	3	0	6	6	0	6.00	6.00	0
	FOLIAGE BROWSER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	FOLIAGE GLEANER	1991	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1992	1	1	1	5	4	1	9	8	1	9.00	8.00	1.00
		1993	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1994	1	1	1	4	3	1	5	4	1	5.00	4.00	1.00
		1995	1	1	0	3	3	0	9	9	0	6.00	6.00	0
		1996	1	1	0	2	2	0	3	3	0	2.00	2.00	0
		1997	1	1	0	3	3	0	3	3	0	3.00	3.00	0

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	GROUND GLEANER	1991	1	1	0	5	5	0	9	9	0	9.00	9.00	0
		1992	1	1	0	8	8	0	13	13	0	12.00	12.00	0
		1993	1	1	0	4	4	0	7	7	0	7.00	7.00	0
		1994	1	1	1	7	7	1	11	10	1	11.00	10.00	1.00
		1995	1	1	0	4	4	0	5	5	0	5.00	5.00	0
		1996	1	1	0	5	5	0	13	13	0	13.00	13.00	0
		1997	1	1	0	5	5	0	10	10	0	10.00	10.00	0
	HAWKER	1991	1	1	0	2	2	0	7	7	0	7.00	7.00	0
		1992	1	1	1	3	2	1	6	5	1	6.00	5.00	1.00
		1993	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1996	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1997	1	1	0	2	2	0	6	6	0	6.00	6.00	0
	HOVER GLEANER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	1	3	2	1	7	6	1	6.00	5.00	1.00
		1995	1	1	0	2	2	0	5	5	0	4.00	4.00	0
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	SCAVENGER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1993	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1996	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
OAK-TULIP TREE	AERIAL PURSUIT	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	BARK GLEANER	1991	2	2	1	5	5	1	10	9	1	5.00	4.50	0.50
		1992	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1993	2	2	1	6	5	1	9	8	1	4.50	4.00	0.50
		1994	2	2	1	4	3	1	5	4	1	2.50	2.00	0.50
		1995	2	2	0	6	6	0	13	13	0	6.50	6.50	0
		1996	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1997	2	1	0	3	3	0	3	3	0	1.50	1.50	0
	FOLIAGE GLEANER	1991	2	2	0	3	3	0	13	13	0	6.50	6.50	0
		1992	2	2	0	6	6	0	14	14	0	7.00	7.00	0
		1993	2	2	0	8	8	0	20	20	0	9.50	9.50	0
		1994	2	2	1	7	6	4	19	15	4	9.50	7.50	2.00
		1995	2	2	0	6	6	0	9	9	0	4.50	4.50	0
		1996	2	2	1	7	6	1	12	11	1	6.00	5.50	0.50
		1997	2	2	0	11	11	0	16	16	0	8.00	8.00	0
	GROUND GLEANER	1991	2	2	1	9	9	1	50	49	1	25.00	24.50	0.50
		1992	2	2	0	8	8	0	26	26	0	13.00	13.00	0
		1993	2	2	0	9	9	0	24	24	0	12.00	12.00	0
		1994	2	2	1	12	12	4	31	27	4	15.00	13.00	2.00
		1995	2	2	0	10	10	0	26	26	0	13.00	13.00	0
		1996	2	2	0	7	7	0	14	14	0	7.00	7.00	0
		1997	2	2	0	9	9	0	26	26	0	12.00	12.00	0

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	HAWKER	1991	2	2	0	2	2	0	7	7	0	3.50	3.50	0
		1992	2	2	1	2	2	1	4	3	1	2.00	1.50	0.50
		1993	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1994	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1995	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1996	2	1	0	2	2	0	3	3	0	1.50	1.50	0
		1997	2	2	0	2	2	0	5	5	0	2.50	2.50	0
	HIGH PATROL	1997	2	2	0	1	1	0	2	2	0	1.00	1.00	0
	HOVER GLEANER	1991	2	2	0	3	3	0	35	35	0	17.50	17.50	0
		1992	2	2	0	3	3	0	14	14	0	7.00	7.00	0
		1993	2	2	0	3	3	0	13	13	0	6.50	6.50	0
		1994	2	2	1	3	3	1	17	16	1	8.50	8.00	0.50
		1995	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1996	2	2	0	3	3	0	14	14	0	7.00	7.00	0
		1997	2	2	0	3	3	0	17	17	0	8.50	8.50	0
	SCAVENGER	1991	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1992	2	2	0	1	1	0	4	4	0	1.50	1.50	0
		1994	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1995	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	2	2	0	1.00	1.00	0
RICH ROCKY WOODLANDS	BARK GLEANER	1991	2	1	0	2	2	0	6	6	0	3.00	3.00	0
		1992	2	2	0	3	3	0	9	9	0	4.50	4.50	0
		1994	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
		1995	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1996	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1997	2	2	0	2	2	0	4	4	0	2.00	2.00	0
	FOLIAGE GLEANER	1991	2	2	0	6	6	0	21	21	0	10.50	10.50	0
		1992	2	2	0	9	9	0	22	22	0	10.50	10.50	0
		1993	2	2	1	3	3	1	11	10	1	5.00	4.50	0.50
		1994	2	2	0	5	5	0	11	11	0	5.50	5.50	0
		1995	2	2	0	10	10	0	18	18	0	9.00	9.00	0
		1996	2	2	0	5	5	0	8	8	0	4.00	4.00	0
		1997	2	2	0	6	6	0	11	11	0	5.50	5.50	0
	GROUND GLEANER	1991	2	2	1	11	11	1	44	43	1	22.00	21.50	0.50
		1992	2	2	1	12	11	1	30	29	1	15.00	14.50	0.50
		1993	2	2	0	8	8	0	24	24	0	11.50	11.50	0
		1994	2	2	0	9	9	0	28	28	0	14.00	14.00	0
		1995	2	2	0	9	9	0	31	31	0	13.50	13.50	0
		1996	2	2	0	7	7	0	18	18	0	8.50	8.50	0
		1997	2	2	0	8	8	0	14	14	0	7.00	7.00	0
	HAWKER	1991	2	2	1	3	2	1	9	8	1	4.50	4.00	0.50
		1992	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	3	3	0	4	4	0	2.00	2.00	0
		1996	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1997	2	2	0	3	3	0	6	6	0	3.00	3.00	0
	HIGH PATROL	1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	HOVER GLEANER	1991	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1992	2	2	0	3	3	0	11	11	0	5.50	5.50	0
		1994	2	2	1	3	3	2	7	4	3	3.00	2.00	1.00
		1995	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1996	2	2	0	2	2	0	8	8	0	4.00	4.00	0
		1997	2	2	0	3	3	0	6	6	0	3.00	3.00	0
	LOW PATROL	1995	2	0	1	1	0	1	1	0	1	0.50	0	0.50
	SCAVENGER	1992	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1994	2	2	1	2	1	1	4	3	1	2.00	1.50	0.50
	SURFACE DIPS	1994	2	0	1	1	0	1	10	0	10	5.00	0	5.00
ROCKY SUMMIT	AERIAL FORAGING	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
GRASSLAND	BARK GLEANER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	1	3	2	1	3	2	1	3.00	2.00	1.00
		1995	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0
	FOLIAGE GLEANER	1991	1	1	0	5	5	0	14	14	0	14.00	14.00	0
		1992	1	1	1	7	6	1	9	8	1	9.00	8.00	1.00
		1993	1	1	1	5	4	1	15	14	1	14.00	13.00	1.00
		1994	1	1	1	5	4	2	9	7	2	9.00	7.00	2.00
		1995	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1996	1	1	0	2	2	0	6	6	0	6.00	6.00	0
		1997	1	1	0	4	4	0	10	10	0	10.00	10.00	0
	GROUND GLEANER	1991	1	1	0	8	8	0	25	25	0	25.00	25.00	0
		1992	1	1	0	8	8	0	15	15	0	15.00	15.00	0
		1993	1	1	1	6	6	1	14	13	1	12.00	11.00	1.00
		1994	1	1	0	9	9	0	20	20	0	20.00	20.00	0
		1995	1	1	0	6	6	0	15	15	0	13.00	13.00	0
		1996	1	1	0	6	6	0	12	12	0	12.00	12.00	0
		1997	1	1	0	7	7	0	16	16	0	16.00	16.00	0
	HAWKER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1993	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1994	1	1	1	4	3	1	6	5	1	6.00	5.00	1.00
		1995	1	1	0	4	4	0	5	5	0	4.00	4.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	3	3	0	4	4	0	4.00	4.00	0
	HIGH PATROL	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	1	1	1	1	2	1	1	2.00	1.00	1.00
	HOVER GLEANER	1992	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1993	1	1	1	2	2	1	3	2	1	3.00	2.00	1.00
		1994	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SCAVENGER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Technique	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
SUCCESSIONAL HARDWOODS	BARK GLEANER	1991	1	1	1	2	1	2	3	1	2	3.00	1.00	2.00
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1995	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1996	1	1	0	3	3	0	4	4	0	4.00	4.00	0
		1997	1	1	0	2	2	0	3	3	0	3.00	3.00	0
	FOLIAGE BROWSER	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	FOLIAGE GLEANER	1991	1	1	0	4	4	0	12	12	0	12.00	12.00	0
		1992	1	1	1	7	6	1	14	11	3	14.00	11.00	3.00
		1993	1	1	1	8	7	1	12	11	1	12.00	11.00	1.00
		1994	1	1	0	6	6	0	9	9	0	9.00	9.00	0
		1995	1	1	0	7	7	0	11	11	0	11.00	11.00	0
		1996	1	1	0	6	6	0	7	7	0	7.00	7.00	0
		1997	1	1	0	11	11	0	16	16	0	15.00	15.00	0
	GROUND GLEANER	1991	1	1	1	9	9	1	40	39	1	40.00	39.00	1.00
		1992	1	1	1	10	9	3	28	25	3	28.00	25.00	3.00
		1993	1	1	1	7	6	1	15	14	1	15.00	14.00	1.00
		1994	1	1	1	9	8	2	17	15	2	16.00	14.00	2.00
		1995	1	1	0	8	8	0	18	18	0	17.00	17.00	0
		1996	1	1	0	11	11	0	22	22	0	21.00	21.00	0
		1997	1	1	0	9	9	0	20	20	0	20.00	20.00	0
	HAWKER	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1992	1	0	1	1	0	1	2	0	2	1.00	0	1.00
		1997	1	1	0	2	2	0	2	2	0	2.00	2.00	0
	HOVER GLEANER	1991	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1992	1	1	0	2	2	0	11	11	0	10.00	10.00	0
		1993	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	4	4	0	6	6	0	5.00	5.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	2	2	0	4	4	0	4.00	4.00	0
	SCAVENGER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1992	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1993	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1994	1	1	0	1	1	0	5	5	0	5.00	5.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	SURFACE DIPS	1992	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1993	1	0	1	1	0	1	3	0	3	3.00	0	3.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0

Table H11. Total number of birds within each vegetation type by foraging technique.

Foraging Technique	Burn Barren	Burn Barren/ Oak Hickory	Chestnut Oak	Hemlock-Northern Hardwood	Maple Beech Mesic	Oak-Hickory	Oak-Pine	Oak Tulip Tree	Rich Rocky Wood	Rocky Summit Grass	Success	Totals
Aerial Foraging	0	0	1	1	4	2	2	0	0	1	0	11
Aerial Pursuit	0	0	0	0	0	2	0	1	0	0	0	3
Ambusher	0	0	0	0	0	2	0	0	0	0	0	2
Bark Gleaner	61	24	111	27	56	276	17	44	30	11	15	673
Dabbler	0	0	1	1	0	35	0	0	0	0	0	37
Foliage Browser	4	1	3	2	0	3	2	0	0	0	2	17
Foliage Gleaner	114	61	215	42	100	524	37	98	101	63	77	1,432
Ground Gleaner	216	95	558	73	224	1,292	67	192	187	116	153	3,173
Hawker	55	30	162	12	42	301	31	29	28	28	2	720
High Patrol	0	4	3	0	2	13	0	2	2	2	0	28
Hover & Pounce	0	1	0	0	0	0	0	0	0	0	0	1
Hover Gleaner	41	9	194	29	83	516	20	118	42	14	29	1,095
Low Patrol	1	1	2	0	0	26	0	0	0	0	0	30
Scavenger	2	3	19	10	1	61	15	17	5	1	16	150
Surface Dips	0	0	0	0	0	11	0	0	0	0	4	15
Swooper	0	0	1	0	0	1	0	0	0	0	0	2
Totals	494	230	1,270	197	512	3,065	191	501	395	236	298	7,389

Table H12. Vegetation types for West Point by habitat type.

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
BURN BARREN	FOREST	1991	2	2	1	17	16	1	59	58	1	29.50	29.00	0.50
		1992	2	2	0	21	21	0	59	59	0	29.00	29.00	0
		1993	2	2	0	17	17	0	47	47	0	23.50	23.50	0
		1994	2	2	0	16	16	0	41	41	0	19.50	19.50	0
		1995	2	2	0	18	18	0	43	43	0	20.50	20.50	0
		1996	2	2	0	12	12	0	29	29	0	14.50	14.50	0
		1997	2	2	0	17	17	0	37	37	0	18.50	18.50	0
	FOREST EDGE	1991	2	2	0	3	3	0	30	30	0	15.00	15.00	0
		1992	2	2	1	4	4	1	18	17	1	9.00	8.50	0.50
		1993	2	2	0	5	5	0	15	15	0	7.00	7.00	0
		1994	2	2	0	6	6	0	17	17	0	8.00	8.00	0
		1995	2	2	0	8	8	0	19	19	0	9.50	9.50	0
		1996	2	2	0	4	4	0	18	18	0	8.50	8.50	0
		1997	2	2	0	6	6	0	22	22	0	10.00	10.00	0
	GRASSLAND	1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	RIPARIAN	1993	2	2	0	2	2	0	2	2	0	1.00	1.00	0
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	1	1	0	3	3	0	1.50	1.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SHRUBLAND	1991	2	2	0	2	2	0	7	7	0	3.50	3.50	0
		1992	2	2	1	3	3	1	8	7	1	4.00	3.50	0.50
		1993	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1994	2	1	1	2	1	1	2	1	1	1.00	0.50	0.50
		1995	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1996	2	2	0	1	1	0	5	5	0	2.50	2.50	0
		1997	2	1	0	3	3	0	5	5	0	2.50	2.50	0
BURN BARREN/ OAK-HICKORY	FOREST	1991	1	1	1	15	13	2	66	64	2	66.00	64.00	2.00
		1992	1	1	1	15	13	5	31	25	6	31.00	25.00	6.00
		1993	1	1	1	11	9	2	12	10	2	12.00	10.00	2.00
		1994	1	1	1	14	9	7	20	12	8	20.00	12.00	8.00
		1995	1	1	1	12	12	1	20	19	1	17.00	16.00	1.00
		1996	1	1	0	13	13	0	21	21	0	21.00	21.00	0
		1997	1	1	0	8	8	0	10	10	0	10.00	10.00	0
	FOREST EDGE	1991	1	1	0	4	4	0	12	12	0	12.00	12.00	0
		1992	1	1	0	2	2	0	7	7	0	7.00	7.00	0
		1993	1	1	0	4	4	0	10	10	0	10.00	10.00	0
		1994	1	1	0	2	2	0	5	5	0	4.00	4.00	0
		1995	1	1	0	3	3	0	5	5	0	5.00	5.00	0
		1996	1	1	0	5	5	0	6	6	0	6.00	6.00	0
		1997	1	1	0	4	4	0	7	7	0	7.00	7.00	0
	FRESHWATER	1991	1	0	1	1	0	1	2	0	2	2.00	0	2.00
	GRASSLAND	1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	0	1	2	0	2	4	0	4	4.00	0	4.00
	RIPARIAN	1992	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SHRUBLAND	1991	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1992	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	2	2	0	4	4	0	4.00	4.00	0
	SWAMP/MARSH	1991	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1997	1	0	1	1	0	1	11	0	11	11.00	0	11.00
CHESTNUT OAK	FOREST	1991	7	7	4	25	22	7	224	216	8	32.00	30.86	1.14
		1992	7	7	2	25	24	5	188	183	5	26.43	25.71	0.71
		1993	7	7	3	22	21	4	119	114	5	16.71	16.00	0.71
		1994	7	7	3	25	24	3	128	125	3	18.29	17.86	0.43
		1995	7	7	1	25	24	1	109	108	1	15.57	15.43	0.14
		1996	7	7	0	28	28	0	130	130	0	18.14	18.14	0
		1997	7	7	0	26	26	0	123	123	0	16.86	16.86	0
	FOREST EDGE	1991	7	6	1	6	5	2	22	19	3	3.14	2.71	0.43
		1992	7	7	2	6	5	2	44	42	2	6.14	5.86	0.29
		1993	7	7	0	3	3	0	22	22	0	3.14	3.14	0
		1994	7	7	1	8	5	4	34	27	7	4.86	3.86	1.00
		1995	7	7	0	5	5	0	32	32	0	4.57	4.57	0
		1996	7	7	0	6	6	0	26	26	0	3.71	3.71	0
		1997	7	7	0	6	6	0	33	33	0	4.71	4.71	0
	FRESHWATER	1992	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	GRASSLAND	1992	7	1	2	1	1	1	5	2	3	0.71	0.29	0.43
		1993	7	1	1	1	1	1	2	1	1	0.29	0.14	0.14
		1995	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1996	7	1	1	2	1	1	2	1	1	0.29	0.14	0.14
	RIPARIAN	1991	7	2	0	3	3	0	5	5	0	0.71	0.71	0
		1992	7	3	2	3	3	2	7	5	2	1.00	0.71	0.29
		1993	7	3	1	3	2	1	5	4	1	0.57	0.43	0.14
		1994	7	2	1	4	2	2	6	3	3	0.71	0.29	0.43
		1995	7	3	1	5	4	1	6	5	1	0.86	0.71	0.14
		1996	7	3	0	3	3	0	4	4	0	0.57	0.57	0
		1997	7	4	0	3	3	0	4	4	0	0.57	0.57	0
	SHORELINE	1997	7	1	0	1	1	0	1	1	0	0.14	0.14	0
	SHRUBLAND	1991	7	2	1	3	2	1	6	4	2	0.86	0.57	0.29
		1992	7	3	1	5	4	2	8	6	2	1.14	0.86	0.29
		1993	7	2	1	4	2	2	5	3	2	0.57	0.29	0.29
		1994	7	2	1	2	2	1	4	3	1	0.57	0.43	0.14
		1995	7	1	0	2	2	0	2	2	0	0.29	0.29	0
		1996	7	1	0	1	1	0	1	1	0	0.14	0.14	0
		1997	7	3	0	2	2	0	5	5	0	0.71	0.71	0
	SWAMP/MARSH	1992	7	1	0	1	1	0	4	4	0	0.57	0.57	0
		1993	7	0	1	1	0	1	1	0	1	0.14	0	0.14
		1994	7	0	1	1	0	1	4	0	4	0.57	0	0.57
		1996	7	1	0	1	1	0	2	2	0	0.29	0.29	0
		1997	7	2	2	3	2	2	5	2	3	0.71	0.29	0.43

Guild Summaries by Vegetation Groupings

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
HEMLOCK-NORTHERN HARDWOOD	FOREST	1991	1	1	0	13	13	0	28	28	0	28.00	28.00	0
		1992	1	1	0	13	13	0	21	21	0	21.00	21.00	0
		1993	1	1	0	12	12	0	19	19	0	17.00	17.00	0
		1994	1	1	1	11	10	1	19	18	1	18.00	17.00	1.00
		1995	1	1	0	15	15	0	31	31	0	28.00	28.00	0
		1996	1	1	0	10	10	0	19	19	0	17.00	17.00	0
		1997	1	1	0	12	12	0	20	20	0	19.00	19.00	0
	FOREST EDGE	1991	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1993	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1997	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	GRASSLAND	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	8	8	0	8.00	8.00	0
		1997	1	1	0	2	1	0	1	1	0	1.00	1.00	0
	RIPARIAN	1991	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1992	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	SHRUBLAND	1991	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SWAMP/MARSH	1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	0	1	1	0	1	1	0	1	1.00	0	1.00
MAPLE BEECH MESIC	FOREST	1991	2	2	0	19	19	0	104	104	0	52.00	52.00	0
		1992	2	2	2	18	15	4	63	59	4	29.50	27.50	2.00
		1993	2	2	0	15	15	0	54	54	0	25.50	25.50	0
		1994	2	2	1	18	17	1	63	62	1	30.50	30.00	0.50
		1995	2	2	0	15	15	0	42	42	0	20.50	20.50	0
		1996	2	2	1	21	19	2	59	51	8	28.50	24.50	4.00
		1997	2	2	1	21	21	1	61	60	1	30.00	29.50	0.50
	FOREST EDGE	1991	2	2	0	2	2	0	7	7	0	3.50	3.50	0
		1992	2	2	0	3	3	0	6	6	0	3.00	3.00	0
		1993	2	2	1	3	3	1	8	7	1	4.00	3.50	0.50
		1994	2	2	0	2	2	0	5	5	0	2.50	2.50	0
		1995	2	2	0	5	5	0	10	10	0	4.50	4.50	0
		1996	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1997	2	2	0	3	3	0	6	6	0	3.00	3.00	0
	GRASSLAND	1992	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1995	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	RIPARIAN	1991	2	1	1	3	2	1	11	10	1	5.50	5.00	0.50
		1992	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1993	2	1	1	2	2	1	5	4	1	2.50	2.00	0.50
		1994	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	2	2	0	4	4	0	2.00	2.00	0
		1996	2	2	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SHRUBLAND	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	SWAMP/MARSH	1993	2	0	1	1	0	1	1	0	1	0.50	0	0.50
OAK-HICKORY	FOREST	1991	14	14	7	33	32	9	508	498	10	36.29	35.57	0.71
		1992	14	14	8	34	32	19	414	387	27	28.57	26.71	1.86
		1993	14	14	10	29	28	15	311	287	24	21.43	19.71	1.71
		1994	14	14	10	33	29	24	339	287	52	23.79	20.14	3.64
		1995	14	14	2	37	35	5	335	305	30	23.07	20.93	2.14
		1996	14	14	3	35	34	2	287	284	3	19.71	19.50	0.21
		1997	14	14	1	33	33	1	300	299	1	21.14	21.07	0.07
	FOREST EDGE	1991	14	12	2	6	6	4	72	68	4	5.14	4.86	0.29
		1992	14	12	3	6	6	4	82	78	4	5.79	5.50	0.29
		1993	14	12	4	6	6	4	37	31	6	2.57	2.14	0.43
		1994	14	13	5	7	7	5	57	52	5	4.00	3.64	0.36
		1995	14	14	1	8	7	1	63	62	1	4.21	4.14	0.07
		1996	14	13	0	8	8	0	55	55	0	3.86	3.86	0
		1997	14	13	0	8	8	0	64	64	0	4.43	4.43	0
	FRESHWATER	1997	14	2	0	2	2	0	2	2	0	0.14	0.14	0
	GRASSLAND	1991	14	2	0	2	2	0	2	2	0	0.14	0.14	0
		1992	14	3	3	2	1	2	7	3	4	0.50	0.21	0.29
		1993	14	2	1	2	1	1	3	2	1	0.21	0.14	0.07
		1994	14	3	0	2	2	0	4	4	0	0.21	0.21	0
		1995	14	1	2	2	1	2	12	1	11	0.86	0.07	0.79
		1996	14	4	2	2	2	2	9	7	2	0.64	0.50	0.14
		1997	14	2	1	2	2	1	5	3	2	0.36	0.21	0.14
	RIPARIAN	1991	14	6	2	5	5	2	27	24	3	1.93	1.71	0.21
		1992	14	8	3	4	3	2	21	18	3	1.50	1.29	0.21
		1993	14	7	1	6	6	1	17	16	1	1.07	1.00	0.07
		1994	14	10	3	4	4	1	15	11	4	1.07	0.79	0.29
		1995	14	5	1	7	6	1	12	11	1	0.86	0.79	0.07
		1996	14	7	0	4	4	0	9	9	0	0.64	0.64	0
		1997	14	8	0	5	5	0	17	17	0	1.21	1.21	0
	SHORELINE	1991	14	1	2	1	1	1	7	3	4	0.50	0.21	0.29
	SHRUBLAND	1991	14	1	1	4	3	1	8	7	1	0.57	0.50	0.07
		1992	14	6	1	4	4	1	13	12	1	0.93	0.86	0.07
		1993	14	3	1	3	2	1	4	3	1	0.29	0.21	0.07
		1994	14	6	1	4	3	1	9	7	2	0.64	0.50	0.14
		1995	14	6	0	5	5	0	12	12	0	0.86	0.86	0
		1996	14	3	0	2	2	0	5	5	0	0.36	0.36	0
		1997	14	5	0	5	5	0	6	6	0	0.43	0.43	0

Guild Summaries by Vegetation Groupings

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SWAMP/MARSH	1991	14	1	1	3	3	1	49	48	1	3.50	3.43	0.07
		1992	14	2	4	5	3	3	20	4	16	1.36	0.21	1.14
		1993	14	1	2	5	4	1	18	10	8	1.29	0.71	0.57
		1994	14	2	1	4	4	1	22	22	0	1.57	1.57	0
		1995	14	1	0	2	2	0	10	10	0	0.71	0.71	0
		1996	14	1	1	3	2	1	18	14	4	0.93	0.64	0.29
		1997	14	2	2	2	2	2	22	15	7	1.57	1.07	0.50
OAK-PINE	FOREST	1991	1	1	0	11	11	0	19	19	0	19.00	19.00	0
		1992	1	1	0	13	13	0	25	25	0	25.00	25.00	0
		1993	1	1	1	7	6	1	14	12	2	14.00	12.00	2.00
		1994	1	1	1	11	10	1	20	19	1	19.00	18.00	1.00
		1995	1	1	0	11	11	0	25	25	0	20.00	20.00	0
		1996	1	1	0	9	9	0	12	12	0	11.00	11.00	0
		1997	1	1	0	11	11	0	20	20	0	20.00	20.00	0
	FOREST EDGE	1991	1	1	0	2	2	0	6	6	0	6.00	6.00	0
		1992	1	1	1	5	4	1	8	7	1	8.00	7.00	1.00
		1993	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1996	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1997	1	1	0	3	3	0	8	8	0	8.00	8.00	0
	GRASSLAND	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	7	7	0	7.00	7.00	0
		1997	1	1	0	1	1	0	2	2	0	2.00	2.00	0
	RIPARIAN	1991	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1992	1	0	1	1	0	1	1	0	1	1.00	0	1.00
		1994	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	SHRUBLAND	1991	1	1	0	1	1	0	4	4	0	4.00	4.00	0
		1992	1	1	0	1	1	0	2	2	0	1.00	1.00	0
		1994	1	1	1	2	2	1	3	2	1	3.00	2.00	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	3	3	0	3.00	3.00	0
OAK-TULIP TREE	FOREST	1991	2	2	1	20	20	1	105	104	1	52.50	52.00	0.50
		1992	2	2	0	17	17	0	58	58	0	28.50	28.50	0
		1993	2	2	1	23	21	2	63	61	2	31.00	30.00	1.00
		1994	2	2	1	22	20	6	63	57	6	31.00	28.00	3.00
		1995	2	2	0	22	22	0	56	56	0	28.00	28.00	0
		1996	2	2	1	18	17	1	37	36	1	18.50	18.00	0.50
		1997	2	2	0	21	21	0	55	55	0	27.00	27.00	0
	FOREST EDGE	1991	2	2	0	2	2	0	10	10	0	5.00	5.00	0
		1992	2	2	1	4	4	1	7	6	1	3.50	3.00	0.50
		1993	2	2	0	3	3	0	5	5	0	2.50	2.50	0
		1994	2	2	1	5	5	3	12	9	3	6.00	4.50	1.50
		1995	2	2	0	4	4	0	6	6	0	3.00	3.00	0
		1996	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1997	2	2	0	5	5	0	12	12	0	5.50	5.50	0

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	GRASSLAND	1993	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	RIPARIAN	1991	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
		1992	2	1	0	2	2	0	2	2	0	1.00	1.00	0
		1993	2	1	0	2	2	0	3	3	0	1.50	1.50	0
		1994	2	1	1	1	1	1	2	1	1	1.00	0.50	0.50
		1995	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1996	2	1	0	1	1	0	2	2	0	1.00	1.00	0
		1997	2	2	0	2	2	0	2	2	0	1.00	1.00	0
	SHRUBLAND	1997	2	1	0	1	1	0	1	1	0	0.50	0.50	0
RICH ROCKY	FOREST	1991	2	2	1	15	15	1	55	54	1	27.50	27.00	0.50
WOODLANDS		1992	2	2	1	21	20	1	49	48	1	24.50	24.00	0.50
		1993	2	2	0	7	7	0	19	19	0	9.00	9.00	0
		1994	2	2	2	15	14	4	32	27	5	15.50	13.50	2.00
		1995	2	2	0	17	17	0	41	41	0	20.00	20.00	0
		1996	2	2	0	10	10	0	24	24	0	12.00	12.00	0
		1997	2	2	0	14	14	0	22	22	0	11.00	11.00	0
	FOREST EDGE	1991	2	2	0	4	4	0	18	18	0	9.00	9.00	0
		1992	2	2	0	5	5	0	17	17	0	8.50	8.50	0
		1993	2	2	0	3	3	0	8	8	0	4.00	4.00	0
		1994	2	2	0	4	4	0	15	15	0	7.50	7.50	0
		1995	2	2	0	3	3	0	7	7	0	3.00	3.00	0
		1996	2	2	0	4	4	0	11	11	0	5.00	5.00	0
		1997	2	2	0	3	3	0	9	9	0	4.50	4.50	0
	GRASSLAND	1992	2	1	0	1	1	0	1	1	0	0.50	0.50	0
		1995	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1996	2	1	0	1	1	0	1	1	0	0.50	0.50	0
	RIPARIAN	1991	2	0	1	1	0	1	1	0	1	0.50	0	0.50
		1992	2	2	0	2	2	0	3	3	0	1.50	1.50	0
		1995	2	1	1	2	1	1	2	1	1	1.00	0.50	0.50
		1997	2	2	0	2	2	0	2	2	0	1.00	1.00	0
	SHRUBLAND	1991	2	2	0	5	5	0	13	13	0	6.50	6.50	0
		1992	2	2	0	2	2	0	9	9	0	4.00	4.00	0
		1993	2	2	1	2	2	1	9	8	1	4.00	3.50	0.50
		1994	2	2	0	2	2	0	6	6	0	3.00	3.00	0
		1995	2	2	0	3	3	0	13	13	0	5.50	5.50	0
		1996	2	2	0	3	3	0	7	7	0	3.50	3.50	0
		1997	2	2	0	3	3	0	8	8	0	4.00	4.00	0
	SWAMP/MARSH	1994	2	0	1	1	0	1	10	0	10	5.00	0	5.00
ROCKY SUMMIT	FOREST	1991	1	1	1	8	7	1	17	16	1	17.00	16.00	1.00
GRASSLAND		1992	1	1	0	10	10	0	17	17	0	17.00	17.00	0
		1993	1	1	1	13	11	4	20	16	4	20.00	16.00	4.00
		1994	1	1	1	10	9	1	17	16	1	17.00	16.00	1.00
		1995	1	1	0	10	10	0	15	15	0	15.00	15.00	0
		1996	1	1	0	7	7	0	12	12	0	12.00	12.00	0
		1997	1	1	1	10	10	1	15	14	1	15.00	14.00	1.00

Guild Summaries by Vegetation Groupings

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	FOREST EDGE	1991	1	1	0	5	5	0	12	12	0	12.00	12.00	0
		1992	1	1	0	6	6	0	10	10	0	10.00	10.00	0
		1993	1	1	1	5	4	1	12	11	1	11.00	10.00	1.00
		1994	1	1	0	5	5	0	12	12	0	12.00	12.00	0
		1995	1	1	0	3	3	0	7	7	0	6.00	6.00	0
		1996	1	1	0	3	3	0	6	6	0	6.00	6.00	0
		1997	1	1	0	5	5	0	14	14	0	14.00	14.00	0
	FRESHWATER	1991	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	GRASSLAND	1992	1	0	1	1	0	1	1	0	1	1.00	0	1.00
	RIPARIAN	1992	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1994	1	1	1	2	1	1	2	1	1	2.00	1.00	1.00
		1995	1	1	0	1	1	0	1	1	0	1.00	1.00	0
	SHRUBLAND	1991	1	1	0	4	4	0	14	14	0	14.00	14.00	0
		1992	1	1	0	2	2	0	4	4	0	4.00	4.00	0
		1993	1	1	0	2	2	0	10	10	0	8.00	8.00	0
		1994	1	1	1	2	2	1	7	6	1	7.00	6.00	1.00
		1995	1	1	0	2	2	0	6	6	0	4.00	4.00	0
		1996	1	1	0	3	3	0	7	7	0	7.00	7.00	0
		1997	1	1	0	2	2	0	7	7	0	7.00	7.00	0
SUCCESSIONAL HARDWOODS	FOREST	1991	1	1	1	9	7	3	27	24	3	27.00	24.00	3.00
		1992	1	1	1	13	12	2	41	37	4	40.00	36.00	4.00
		1993	1	1	1	12	11	1	19	18	1	19.00	18.00	1.00
		1994	1	1	1	14	13	2	25	23	2	24.00	22.00	2.00
		1995	1	1	0	14	14	0	23	23	0	21.00	21.00	0
		1996	1	1	0	14	14	0	22	22	0	21.00	21.00	0
		1997	1	1	0	16	16	0	27	27	0	27.00	27.00	0
	FOREST EDGE	1991	1	1	0	2	2	0	5	5	0	5.00	5.00	0
		1992	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1993	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1994	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1995	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1996	1	1	0	3	3	0	3	3	0	3.00	3.00	0
		1997	1	1	0	3	3	0	4	4	0	4.00	4.00	0
	GRASSLAND	1991	1	1	0	1	1	0	3	3	0	3.00	3.00	0
		1993	1	0	1	2	0	2	2	0	2	2.00	0	2.00
		1994	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1995	1	1	0	2	2	0	2	2	0	2.00	2.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	2	2	0	5	5	0	5.00	5.00	0
	RIPARIAN	1991	1	1	1	3	2	1	6	5	1	6.00	5.00	1.00
		1992	1	1	1	2	1	1	4	2	2	3.00	2.00	1.00
		1993	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1995	1	1	0	1	1	0	2	2	0	2.00	2.00	0
		1996	1	1	0	2	2	0	3	3	0	3.00	3.00	0
		1997	1	1	0	3	3	0	6	6	0	5.00	5.00	0
	SHORELINE	1992	1	0	1	1	0	1	1	0	1	1.00	0	1.00

Vegetation Type	Habitat	Year	Total Plots	Site Plots	FO Plots	Total Spp	Site Spp	FO Spp	Total Birds	Site Birds	FO Birds	Ave Tot Birds	Ave Site Birds	Ave FO Birds
	SHRUBLAND	1991	1	1	1	4	4	1	20	19	1	20.00	19.00	1.00
		1992	1	1	1	4	4	1	11	10	1	11.00	10.00	1.00
		1993	1	1	0	3	3	0	7	7	0	7.00	7.00	0
		1994	1	1	1	4	3	1	8	7	1	8.00	7.00	1.00
		1995	1	1	0	3	3	0	9	9	0	9.00	9.00	0
		1996	1	1	0	2	2	0	8	8	0	8.00	8.00	0
		1997	1	1	0	3	3	0	5	5	0	5.00	5.00	0
	SWAMP/MARSH	1992	1	0	1	1	0	1	2	0	2	2.00	0	2.00
		1993	1	0	1	1	0	1	3	0	3	3.00	0	3.00
		1994	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1996	1	1	0	1	1	0	1	1	0	1.00	1.00	0
		1997	1	1	0	1	1	0	3	3	0	3.00	3.00	0

Table H13. Total number of birds within each vegetation type by habitat type.

Vegetation Type	Forest	Forest Edge	Freshwater	Grass	Riparian	Shore	Shrub	Swamp/ Marsh	Total
Burn Barren	314	138	0	1	7	0	34	0	494
Burn Barren/ Oak-Hickory	161	52	0	2	2	0	13	0	230
Chestnut Oak	999	201	2	5	30	1	24	8	1,270
Hemlock-Northern Hrd	156	11	0	10	14	0	5	1	197
Maple Beech Mesic	432	48	0	3	27	0	2	0	512
Oak-Hickory	2,347	410	2	22	106	3	52	123	3,065
Oak-Pine	132	32	0	13	2	0	12	0	191
Oak Tulip Tree	427	55	0	4	14	0	1	0	501
Rich Rocky Woodlands	235	85	0	5	6	0	64	0	395
Rocky Summit Grassland	106	72	1	0	3	0	54	0	236
Successional Hardwoods	174	22	0	13	19	0	65	5	298
Totals	5.483	1,126	5	78	230	4	326	137	7,389

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